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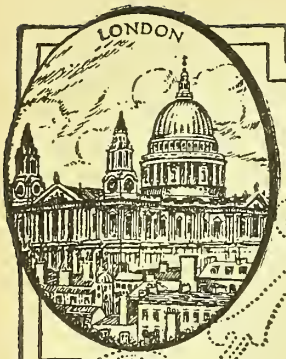

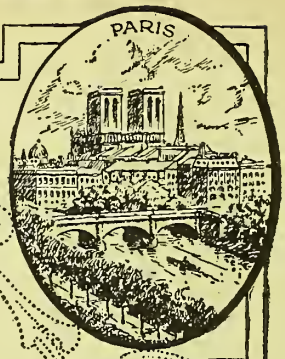

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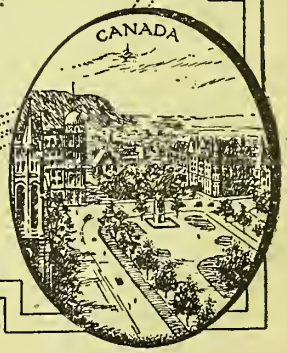

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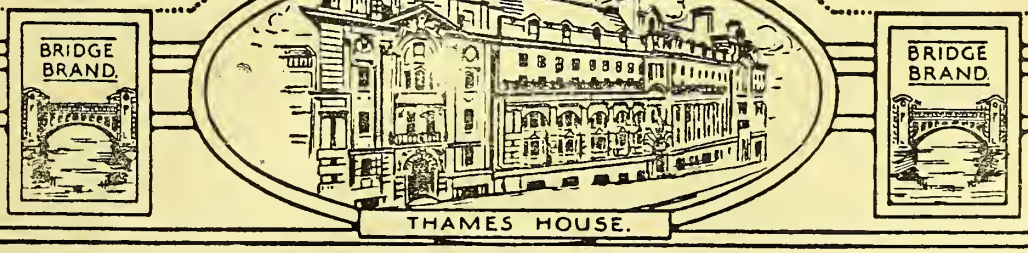

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Peace & Happiness

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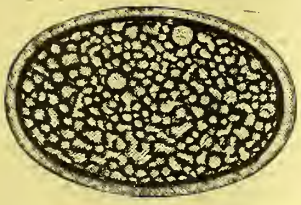

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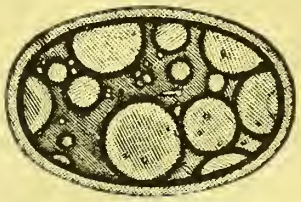

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It will, as usual, mean Prosperity and Happiness to all sellers of

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TOOTH POWDER & PASTE

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MANY THANKS

To all our customers who have been so patient and considerate with us, when abnormal conditions have prevented our giving them that complete good service which is our proudest boast.

We offer many thanks and sincere good wishes for Christmas and the Coming Year.

May it bring **VICTORY TO OUR ARMS AND PEACE TO THE WORLD.**

GOD SAVE THE KING.

BY APPOINTMENT.

Edward Cook & Co., Ld.

The Soapery,

Bow, London, E. 3.

During the past year we have been able to help our friends in many ways, and we still hope to co-operate to our mutual advantage.

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LONDON-ENGLAND

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TINCTURES

1833
to
1918

MAY THE NEW YEAR
BRING
PEACE AND PROSPERITY
to the
EMPIRE.

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ESSENTIAL OIL DISTILLERS : DRUG & SPICE GRINDERS
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MEDICINAL HERB GROWERS

"Sterling Brand."

INDUSTRIAL TECHNICAL FINE

Chemicals

Xmas 1917

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Thos. Tyrer & Co., Ltd.
Stratford, London, E.

OUR reputation YOUR guarantee

Thomas Tyrer, F.I.C., F.C.S., Managing Director.

1833 — BAISS — 1918

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welcome this opportunity to send
to their friends throughout the
world hearty wishes for a

PROSPEROUS NEW YEAR.

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Packed Specialities, Surgical Requisites,
etc.

Head Offices and Works	174, 175, 176 Grange Road 41 and 43 Grange Walk	LONDON, S.E. 1.
Surgical Instruments and Sundries Factory ...	5 Market Street	
Drug and Herb Farm	CARSHALTON, Surrey, England.	

Season 1917-1918.

"Erasmic" Soap & Perfume

THE ERASMIC NOTE

will continue to predominate throughout 1918 in all high-class Pharmacies and Drug Stores at home and abroad. It helps to ensure prosperity.

GREETINGS & GOOD WISHES.

Erasmic, Perfumers, Warrington

MESSRS.

LYSOL LIMITED

STRATFORD – – LONDON, E.,

Send

Hearty Greetings to all their many friends

and

thanks for support through 1917.

May 1918 bring us all a Happy Victorious Peace.

As through 1917, so through 1918, LYSOL Ltd. feel sure that their efforts to give Pharmacists an adequate return on all Lysol lines will meet with reciprocal efforts, and that counters and windows will bear testimony to mutual goodwill.

"Newbery's" FRANCIS NEWBERY & SONS Ltd

PATRIOTIC SERIES OF TOOTH POWDERS in beautiful flag designs.

24/- and 40/- per gross.

In spite of the scarcity and great increase in the price of tins, we will, during the month of December, give a special discount of 5% on all orders of 1 gross and upwards, on mentioning "The Chemist and Druggist."

F. NEWBERY & SONS, Ltd., Charterhouse Square, E.C. 1.

"SOLAZZI" LIQUORICE JUICE

THE CHEMISTS' BRAND.

'The Lancet' says: 'Of Standard Purity'

Recommended also by *The British Medical Journal, Health, The Chemist and Druggist, Food and Sanitation.*

Ask for SHOWCARDS and HANDBILLS. To be obtained of all Wholesale Houses.

TOOGOOD'S SHAMPOO POWDERS

EGYPTIAN HENNA SHAMPOO POWDER.

In boxes containing 7 Powders. Superior Quality and Delicately Perfumed, 10/6 per dozen boxes.

PINE, 7/6 doz.

PINE & HENNA, 8/9 doz.

PINE.

In Envelopes, 7 in box, 7/6 per dozen boxes.

PINE & HENNA.

In Envelopes, 7 in box, 8/9 per dozen boxes.

Customer's name free on 3 dozen boxes or bottles.

MANUFACTURED ONLY BY—

WILLIAM TOOGOOD, Ltd., 77 Southwark St., London, S.E. 1.

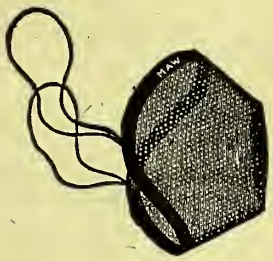
TELEPHONE: CITY 7 PRIVATE BRANCH EXCHANGE
TELEGRAMS: ELEVEN CENT LONDON

S·MAW·SON & SONS LTD
7/12 ALDERSGATE STREET
LONDON
ENGLAND

CABLES: ELEVEN LONDON
CODE: A:B:C 4TH & 5TH EDITION

Maw's Page.

NUMBER 323. DECEMBER 22, 1917.



B2773/B.
BURNEY YEO'S INHALER.
PERFORATED ZINC.
For use with Antiseptic Solutions.
Plain ... 5/- and 9/- doz.
Covered ... ... 9/- doz.

B1808/F.
MAW'S MENTHOL INHALER.
Filled with Menthol Crystals ready for use.
Price 5/9 per dozen.
A Display Card supplied with 1 dozen.

Christmas Holidays.

THIS ESTABLISHMENT WILL BE CLOSED FROM
SATURDAY, December 22,
TO
THURSDAY MORNING,
December 27.
AND FOR
STOCKTAKING
ON
FRIDAY & SATURDAY,
December 28 and 29, 1917.

No. 1
'INVINCIBLE' RAZORS
are **NOW** supplied with Superior Finished Handles in Cardboard Boxes.
17/6 per doz.

PRICES OF THIS
GREAT BRITISH
BANDAGE
ON APPLICATION.

Put up in cartons, as illustrated, in 2 in., 2½ in., 3 in., 3½ in., 4 in., and 6 in. widths.

Also 8 in. and 11 in. "Vel-fin" Binders.

HOURS OF BUSINESS: 8.30 a.m.—5.30 p.m. CLOSE AT 1 p.m. SATURDAYS.

1918.

START THE YEAR WELL!

100 PER CENT. LARGER PROFITS 100 PER CENT.

Owing to the steadily increasing costs for Magnesia, Bismuth, Sod. Sulphocarb., &c., and the almost prohibitive prices of Boxes, Showcards, &c., we are compelled to advance the prices of our well-known specialty

"RED BAND"

Bismuthated Magnesia

THE NEW PRICES, WHICH WILL COME INTO FORCE ON JAN. 1

RETAIL	COST YOU		RETAIL
4½d.	29/-	50/-	7½d.
PER BOX	PER GROSS.		PER BOX

Usual Bonus of 1 doz. to each gross.

The above, with Bonus, now gives you 100% on costs.
Actually an increase of 40% on your former profits.

Gummed Price Slips will be sent to customers for repricing old price stocks and cards.

We guarantee that we do not use Magnesia substitute, which is now offered and sold to replace Magnesia; and, also, we maintain that high standard of excellence which has made our line the most popular repeater on the market.

MR. PHARMACIST,

You are losing many sales owing to shortage of supplies. So you must stock new lines which will increase your income and uphold your reputation.

If you do not carry this line, do so NOW. It will sell on sight.

THE RED BAND CHEMICAL CO., 183 Dalry Road, EDINBURGH

OUR STARTLING OFFER!

120% 120%

In order to give New Customers a chance to test the wonderful selling power of our famous "RED BAND"

Bismuthated Magnesia

and to show our appreciation of the interest displayed by our old Customers, we beg to announce that from Jan. 1 to Jan. 14 we shall charge our old prices, viz.

24/- per gross for 4½d. size, &
47/- per gross for 7½d. size.

Usual Bonus given in every case. Good Showcards supplied.
Not more than one gross of each size at that price, and cash must accompany order in every case.

YOUR PROFIT ON THE ABOVE IS 120% ON COSTS

If you deal with our Agents, they will accept your order if you send them cheque when ordering.

AGENTS: SCOTLAND - *LORIMER & MOYES, LTD., 191 Argyle Street, GLASGOW.
*RAIMES, CLARK & CO., LTD., Smith's Place, EDINBURGH.
*PINKERTON, GIBSON & CO., Thistle St. Lane, EDINBURGH.
†Mr. J. WOODCOCK, 69 Shandwick Place, EDINBURGH.

ENGLAND - *Mr. MILLNER, 486 Stretford Road, MANCHESTER.
*UCAL, Priory Court, CHELTENHAM.
†Mr. J. CHILD, 99 Mayfair Avenue, ILFORD, Essex.
†Mr. A. DAY, 98 Chestnut Grove, BALHAM, S.W.
†Mr. JAMES, 30 St. Luke's Road, BAYSWATER, W. 11.

IRELAND - *NI-VERRE CHEMICAL CO., 5-7 Ormeau Avenue, BELFAST.

** These firms carry stocks.* *† Our own salesmen.*

THE RED BAND CHEMICAL CO., 186 Dalry Road, EDINBURGH

GIBBS'S Cold Cream Soap

D. & W. GIBBS, Ltd.
CITY SOAP WORKS
LONDON, E.1.

Important

PRESENT PRICES:

4/6 per dozen tablets.
14/- per dozen 3-tablet folding cartons.

RETAIL PRICES:

6d. per tablet.
1/6 per 3-tablet carton.

P.A.T.A.

ESSONA Brilliantines.

		1¼ oz.	2½ oz.
Per doz.	....	4/-	6/6
3 ,,	at	3/11	6/4
6 ,,	at	3/10	6/2
12 ,,	at	3/9	6/-

Any quantity Carriage Paid in British Isles.

LIST POST FREE.

The Essona Perfumery Co. Ld.
LONDON, S.W. 19.

LUCE'S *Jersey* EAU de COLOGNE

	Retail Prices.	Trade Prices.
No. 27.—1 oz. ...	10½d. ...	8/- per doz.
,, 1.—2 oz. ...	1/9 ...	15/6 ,,
,, 3.—4 oz. ...	3/3 ...	30/- ,,
,, 5a.—8-oz. ...	6/6 ...	60/- ,,
,, 17.—½-pt. wk.	4/9 ...	45/- ,,
,, 18.—1 pt. ...	8/9 ...	84/- ,,

We shall continue our Window Show Terms on £5 orders (your own assortment) and upwards, thus assuring 50 per cent. profit on cost and 33⅓ per cent. on returns.

Send Orders to—
J. C. GAMBLES & CO.
Sole Distributing Agents,
46 FARRINGDON STREET, LONDON, E.C. 4

Miss PHYLLIS DARE Enthusiastically Recommends

"Harlene Hair Drill"

In these War times it is indeed a pleasure to reproduce the photo of one of the many thousands of popular adherents to "Harlene Hair Drill." Not only throughout the British Empire, but in all our Allied countries, "Harlene Hair Drill" has always been extremely popular, and the products of Edwards' Harlene, Ltd., have always received a most cordial welcome from the public.

TO-DAY, in response to the Press announcements of Edwards' Harlene, Ltd., the demand for their products is wider than ever, and no Chemist or Store can afford to be without this unique line of toilet preparations.

"HARLENE" FOR THE HAIR.
"ASTOL" FOR GREY HAIR.
"UZON" BRILLIANTINE.
"CREMEX" SHAMPOO POWDERS.
"ASTINE" VANISHING CREAM.
"ASTINE" SHAVING STICK.
"ASTINOL" AROMATIC FLUID.

FOLLOW THE TIDE OF SUCCESS.

Watch the Great Free Gift Advertising Campaign that brings the customers to your shop.

For Particulars, Advertising Literature, &c., write to

EDWARDS' HARLENE, Ltd.
20, 22, 24 & 26 LAMB'S CONDUIT ST., LONDON, W.C.1.

[Photo: Rita Martin

Miss PHYLLIS DARE, the charming exponent of Musical Comedy, says:—

"I am more than gratified with the unfailing good results of 'Hair Drill,' and this opinion is shared by many of my friends.

"It is, indeed, a pleasure for me to add my evidence to that of the thousands of others. I feel confident that beautiful hair is only a matter of careful attention, and the correct attention is undoubtedly 'Harlene Hair Drill.'"

METHYLATED SPIRIT

OILS AND CHEMICALS.

Buy from one of the Oldest Houses in the Trade.

Write for Prices. ESTABLISHED 1794.

SAMUEL THORNLEY, LTD., BIRMINGHAM

BRAND'S ESSENCES

OF

BEEF, MUTTON and CHICKEN

possess great nutritive and restorative powers, being immediately digested and absorbed by the stomach. Although effective stimulants in physical and mental exhaustion, they contain no wine or other deleterious admixture.

BRAND & Co., Ltd., MAYFAIR WORKS, VAUXHALL, LONDON, S.W.

TIDMAN'S SEA SALT

GOOD PROFITS. PROTECTED BY P.A.T.A.

Two Gross "**PENNY**" Packets sold for **30/-** show over 50% Profit on purchase price **21/-**, less 2½% delivered.

PRICE LIST.

	Advertised Price Per doz.	Minimum Retail. Per doz.	Wholesale Per gross.
"PENNY" PACKETS (12 in box)	**1/6**	**1/3**	**10/6**
Twopenny Packets (12 in box) ...	**2/-**	**2/-**	**19/-**
	Each.	Each.	Per doz.
Boxes, about 1½ lb.	**4d.**	**4d.**	**3/4**
" " 3½ "	**8d.**	**8d.**	**6/8**
" " 7 "	**1/2**	**1/2**	**11/6**
" " 14 "	**2/-**	**2/-**	**20/-**

Four 7-lb. Boxes CARRIAGE PAID for 4/-
Six 7-lb. Boxes CARRIAGE PAID at 11/6 per doz.
Assorted Orders to value of 10/-, CARRIAGE PAID, any of above sizes.

		Each.	Each.	Each.
No stock to hold	**Bags** of 28 lb.	**3/6**	**3/6**	**3/-**
	" 56 "	**6/6**	**6/6**	**5/6**
	" 1 cwt.	**12/-**	**12/-**	**10/-**

Carriage Paid.

2½% Discount for Cash on all orders of 20/- and upwards.

Packing Cases extra and returnable. Half value allowed if not returned.

TIDMAN & SON, Ltd., London, E. (Members of P.A.T.A.)

LABORATORY OF GENERAL PHARMACOLOGY,
8, Rue Vivienne, Paris.
LONDON AGENTS:
WILCOX, JOZEAU & CO., 49, Haymarket, S.W.

CHAPOTEAUT'S CAPSULES of PHOSPHOGLYCERATE of LIME.
THE BEST TONIC FOR FORTIFYING AND BUILDING UP THE NERVOUS SYSTEM.
Sold by all Chemists.
Wholesale: 8, Rue Vivienne. PARIS.

MORRHUOL CHAPOTEAUT

CAPSULES
MORRHUOL DE CHAPOTEAUT is extracted from cod-liver oil, and contains all its efficacious properties without the disagreeable taste.
It cures Coughs, Bronchitis and Catarrh, restores the appetite, and gives force to feeble persons.
SOLD BY ALL DRUGGISTS.

CHANDRON'S DROPS
(Gouttes des Colonies)
A harmless antiseptic preventative against CHOLERA FERMENTATION - INDIGESTION & other intestinal disturbances.
SOLD BY ALL CHEMISTS

LONDON AGENTS
HEPPELL & CO., 164, Piccadilly, W.

The "Eversafe" Baby Pacifier

Our Manufacturing facilities being considerably increased we have the pleasure of inviting orders for prompt delivery.

"EVERSAFE" BABY PACIFIERS.

Patented Everywhere.

FREE SAMPLE ON APPLICATION.

Trial Orders, minimum value 10/-
Cash with Order, Carriage Paid, U.K.

F. SCHUTZE & CO., LTD.
BLACK BULL WORKS - LONDON, N.

LOFTHOUSE & SALTMER, Ltd.
Wholesale & Export Drug Merchants,
Manufacturing Chemists
HULL

INVITE the Trade to take up the following valuable P.A.T.A. Protected Lines, bearing a very large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

	P.A.T.A. Protected Retail Price.	Dozen Net.
*LOSALL'S SALT (well advertised), tins	9d.	6/6
* " " " " "	1/6	13/-
* " " " " bottles in cartons	1/6	13/-

Losall's Salt sells so well, surely it must pay Pharmacists to stock such a big profit-bearing protected line.

Owing to the great increase in the cost of raw material and containers for our Losall's Salt, we are compelled to raise the trade prices, but the retail protected prices are proportionately increased.

LOSALL'S COMPOUND SULPHUR SOAP.
A valuable emollient medicated skin soap, especially suitable for use in Eczema } 1/6 13/6

Chemists requiring effective advertising matter for Losall's Salt, &c., will, on application direct to Lofthouse & Saltmer, receive a liberal supply of Dummies, Showcards, Window Slips, Price Tickets, &c., Carriage Paid, whether or no they have an account open with the Firm.

Mustard?

—Yes! Rigollot's Mustard Leaves for Plasters. The original and only genuine.

OF ALL CHEMISTS AND STORES IN
6d. & 1/- Packets and 1/6 Tins.

67 Southwark Bridge, London, S.E.

'KO-TAL-KO'
CERTAIN IN RESULTS
and
CERTAIN IN SALES

THE PUBLIC WANT IT

For strong advertising has taught them its merits, and practical experience has proven its claims. "KO-TAL-KO" is the strongest recommended hair preparation on the market, and this, in conjunction with my widespread publicity, is the best of all reasons why

YOU SHOULD STOCK IT.

Apart from quick and ready sales my trade prices allow of a fair profit to you. "KO-TAL-KO" is always on the move, never cumbers the shelves long, and is a business asset of the highest value for your repeat orders are always warranted.

IT PROFITS EVERYONE.

"KO-TAL-KO" does justice to me, to you and to the public, and every Chemist and Druggist should order a supply.

RETAIL PRICE P.A.T.A. 5/- Size 12/6 ,,

ORDERS AND DETAILS FROM
J. Hart Brittain Ltd
(Dept. C.D. 2).
2 PERCY ST., LONDON, W.1.

TRADE PRICE 48/- per doz. 112/6 ,,

The future of Business depends upon the issue of THE WAR.

BUY NATIONAL WAR BONDS AND HASTEN VICTORY.

THE CHEMIST AND DRUGGIST,
42 Cannon Street, London, E.C. 4.

STOVAINE

THE LEAST TOXIC OF LOCAL ANÆSTHETICS

USED IN THE SAME WAY AND AS EFFICACIOUS AS COCAINE

Does not create a habit and does not give rise to headaches, nausea, vertigo or syncope. :: :: *Literature on demand.*

NO HOME OFFICE LICENSE REQUIRED

Cheaper than Novocain and Benzocain and obtainable promptly in practically unlimited quantities from the manufacturers:

LES ETABLISSEMENTS POULENC FRERES

92, RUE VIEILLE DU TEMPLE, PARIS.

IMMEDIATE DELIVERY

GATES' BOTTLE CAPPING SKINS

SNOW-WHITE OPAQUE ROLLED SKINS.

SOMETHING QUITE NEW. These Skins are damp and READY FOR USE. The raw m terial for B udruche manufacture being now unobtainable, I am putting th's new production on the market in its place. ABSOLUTELY AS OPAQUE as Split skins and equal in appearance.

"Mine beat all others."

Sole Pioneer and Only English Manufacturer:

LESLIE GATES,

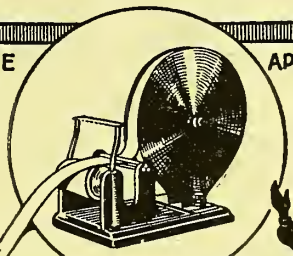
3 Nightingale Rd., Clapton, E.5.

Telegraphic Address: "Englishism, Lowclap, London." Telephone: Dalston 1207.

ALSO GOLDBEATER'S SKIN FOR MEDICAL PURPOSES.

THE CHEAPEST & MOST EFFECTIVE CAPPING EVER PRODUCED.

ATTRACTIVE APPEARANCE



USE THE

DEMON SEALING MACHINE

THE QUICKEST, SIMPLEST & SUREST METHOD OF PARCELLING.

Ask for particulars and samples, or, better still, our representative will be pleased to call and demonstrate.

GUMMED PAPERS LTD.

Regd. Offices:

47 RUTLAND ST., LEICESTER

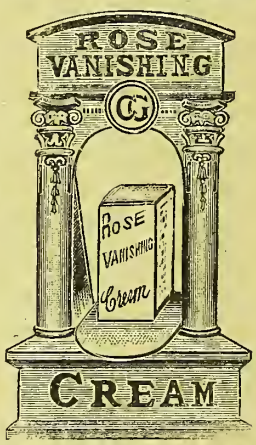
TRY A WINDOW SHOW

ROSE VANISHING CREAM.

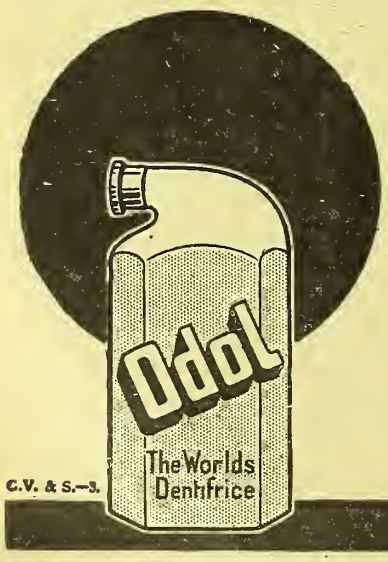
It bears no maker's name but we guarantee it to do all that the best Vanishing Cream can do. It is delightfully perfumed, well packed, and will keep its lustre in any climate. Per 84/- gross.

THE
EMPIRE PERFUMERY CO.
(Cuxson, Gerrard & Co., Ltd., Proprietors)
OLDBURY.

HAZEL FOAM is packed in similar style and price.



BRITISH NOW



Send for Price List and Trading Terms.

ODOL
Chemical Works,
BERKHAMSTED.

C.V. & S.—3.

OVER 100 % PROFIT
ENSURED & PROTECTED (P.A.T.A.)
for sellers of

Laurence's Hair Dyes

One solution, nine shades.

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

Size.	Minimum retail.	Minimum wholesale.	
1/-	1/-	7/6	per doz, less 5 % discount
1/6	1/6	9/-	
2/6	2/3	15/-	
3/6	3/3	21/-	

SPECIAL BONUS.

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).
Do. 6 doz. do. 8 bottles gratis.
Do. 12 doz. do. 18 bottles gratis.
Equivalent in the case of the size in most general demand, viz. 1/6 size to 4/6, 12/- and 27/- respectively.

SOLE PROPRIETORS—
C. R. HARKER, STAGG & MORGAN, LTD.
DEVON WHARF,
Emmott Street, Mile End, London, E. 1.

SAVE 3/- PER GALLON
BY BUYING
GUARANTEED GENUINE
NEWFOUNDLAND NON-FREEZING
MEDICINAL COD LIVER OIL
OF NEW SEASON'S MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

Kindly write for sample to

JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

Telegraphic Address: "JOB LIVERPOOL." Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F. Established 1780.

PETROLEUM
JELLIES

White, Yellow, Amber and Red.

For Pharmaceutical and General Purposes.

AMERICAN SPIRITS OF TURPENTINE,
OLIVE, CASTOR, COLZA OILS,
ROSIN, and LUX BLOOMLESS MINERAL OILS.

James Arnott & Sons, Ltd.

Newcastle-on-Tyne and Cardiff.

All Gravities

LIQUID PARAFFIN B.P.

STERNS LTD.
Royal London House,
FINSBURY SQUARE,
E.C. 2.
Telephone: 3797 London Wall (3 lines).

WHITE & HALF-WHITE OILS,
COLOURED OILS,
BLOOMLESS OILS,
PARAFFIN. DURUM.

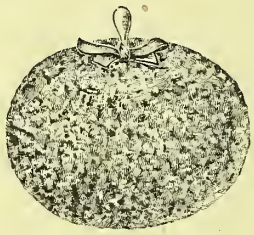
Finest Qualities

PARAFFIN MOLLE ALB. & FLAV. B.P.

CAPPING SKINS
WHITE SPLITS
BAUDRUCHE

Arthur Toombs & Co.
110 CANNON STREET, LONDON, E.C. 4.
Telephone No. CENTRAL 13374
Telegraphic Address— "DEFLECTION, CANNON, LONDON."

Under the Mistletoe bows all other cappings before
SEMREH
SELF - FIXING BOTTLE CAPS
Because of their outstanding excellence SEMREH CAPS are admitted best by all.
Details from
HE VISCOSE DEVELOPMENT CO., Ltd.
BROMLEY, KENT.



FOR

Powder Puffs

OF EVERY KIND.

SOLPORT BROTHERS
LIMITED,
Wholesale and Export Manufacturers of Druggists' Sundries and Toilet Accessories,
184 to 190 GOSWELL ROAD
LONDON, E.C. 1.

Bidwells' Ltd.

TOILET BRUSHES
Finest Quality.

HAIR BRUSHES

Bidwell's
"GLORIA"
Silverdrawn
Perfect Tooth Brush

Head Office and Factories: AXMINSTER. Devon
London Office:
BUSH LANE HOUSE, CANNON STREET, E.C. 4

The menace of the submarine is met by standardised ships—the menace of alien chemicals by Standardised British

'WELLCOME' Brand CHEMICALS

(TRADE MARK)

TYPICAL PRODUCTS:—

'WELLCOME' Brand—
" Atropine (Pure Alkaloid), B.P.
" " Sulphate, B.P.
" Benzamine Hydrochloride and Lactate, B.P.
" Bismuth Salts
" Cocaine (Pure Alkaloid), B.P.
" " Hydrochloride, B.P.
" Emetine (Pure Alkaloid)
" " Hydrobromide
" " Hydrochloride
" Hexamine, B.P.
" Homatropine (Pure Alkaloid)
" " Hydrobromide, B.P.

'WELLCOME' Brand—
" Homatropine Methylbromide
" Hypophosphites
" Hyoscine Hydrobromide, B.P.
" Hyoscyamine (Pure Alkaloid)
" " Sulphate, B.P.
" Iron Salts
" Lithium Salts
" Mercury Salts
" Morphine Salts
" Physostigmine (Pure Alkaloid)
" " Hydrobromide
" " Salicylate
" " Sulphate, B.P.
" Salicylates

The 'Wellcome' Standards ensure that all 'Wellcome' Brand products are

B. P. OR BETTER

Quotations on request

BURROUGHS WELLCOME & CO., LONDON, E.C.1

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ATKINSON & BARKER'S
ROYAL
INFANT'S PRESERVATIVE

ON P.A.T.A. LIST.

Prices and Terms on application to R. BARKER & SON, Ltd.
13 Wesley St., Grosvenor St., C.-on-M., MANCHESTER.

DOES NOT CONTAIN any SCHEDULED POISON.

The *Lancet* describes it as "Mr. Benger's admirable preparation."

BENGER'S

GOLD MEDAL AWARDED HEALTH EXHIBITION, LONDON.

Wholesale of all Wholesale Houses and Shippers or from the Manufacturers

BENGER'S FOOD LTD., Otter Works, MANCHESTER, Eng.

Branch Offices at: 117 Pitt St., Sydney, Australia; 90 Beekman St., New York, U.S.A.
Canadian Agents: The National Drug and Chemical Co., Ltd., Montreal & Branches.

ON THE P.A.T.A.

The *British Medical Journal* says: "Benger's Food has by its excellence established a reputation of its own."

FOOD FOR INFANTS

INVALIDS AND THE AGED.

ZEPTO
KEEPS ON SELLING

EVERYWHERE & ANYWHERE

Because its price of 7½d. comes within the reach of all classes, whilst being so compact it can be sent to any boy at the Front or upon the Seas. All sing the praises of its efficiency in removing tartar deposits and cleansing teeth. In every way it substantiates our press advertisements.

Have you put in the "Coin" Show?

If not, you should do so, for no display sends up the sales of Zepto quicker or enables you to sell with a minimum of effort your own tooth pastes, powders and other dental requisites. Still goes out with all **Six** Dozen requisitions on our **generous terms.** Note also the splendid P.A.T.A. profit.

4/6 PER DOZ.

ORDERS SENT OUT IN ROTATION.
THEREFORE SOONEST IN, SOONEST OUT.

CHRISTY'S
OLD SWAN LANE
LONDON, E.C.

7½d. EA. P.A.T.A.

THE CHEMIST AND DRUGGIST

A Weekly Journal of Pharmacy and of the Chemical and Drug Trades.
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official Journal of many Chemists' Societies in Australia, Ireland, New Zealand, South Africa, and the West Indies.

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Next Week's Issue.

CHRISTMAS falling this year in the middle of the week makes it necessary that the bulk of the advertisement pages shall be put to press on Monday, December 24. Will advertisers, therefore, please assist the Publisher as much as possible by returning corrected proofs for the issue of December 29 so that they may reach him by Monday morning at latest? The Coloured Supplement will remain open for small advertisements until 10.30 A.M., December 27.

Military Tribunals' Decisions.

SINCE OUR LAST REPORT the following decisions have been notified:

BERMONDSEY.—The following exemptions were granted: Mr. Alfred Barnett, chemist and druggist, and Mr. J. H. Bertie, chemist's assistant, 97 Southwark Park Road, three months; Mr. Arthur J. Seward, manufacturing chemist, Tower Bridge Road, two months.

DORKING.—Three months' exemption was granted to Mr. H. Dixon, chemist and druggist.

EASTBOURNE.—Six weeks' further exemption was granted to Mr. Thomas L. Pride, assistant with the Lion Drug Stores, Ltd. (see *C. & D.*, October 13, p. 34).

STROUD.—Exemption to March 31, 1918, was granted to Mr. G. R. Lawrence, assistant with S. J. Coley, Ltd., chemists.

European War News.

Import and Export Notices.

ITALY.—The Board of Trade are in receipt of information to the effect that on November 22 the Italian Customs officials were instructed that they were no longer authorised to permit the export of lemons and their derivatives from Italy. Such products, accordingly, may not now be exported from Italy except under licence of the Ministry of Finance.

UNITED STATES.—A proclamation by the President places the following additional commodities for export under control of the War Trade Board after December 1: Antimony, antimony ore, asbestos, balata, mica, mica splittings, strontium ores, titanium, wolframite, and iridium; arsenic and its compounds, opium, caustic soda, soda-ash, methyl-ethyl ketone and wood alcohol, acetic acid, glacial acetic acid, acetate of cellulose and all acetates, animal oils and vegetable oils, flaxseed, soya-bean meal, soya-bean oil, starch, quebracho and chestnut extracts, rubber, sponges, shellac, seedlac, and cinchona-bark; hospital gauze and surgical instruments.

Personalia.

SIGNALLER S. BURNETT, North Staffordshire Regiment, is reported wounded. Prior to enlistment he had experience in pharmacy with the late Mr. Walter Stead, chemist and druggist, Heckmondwike.

LIEUTENANT CHARLES K. GREGORY, Devonshire Regiment, has been wounded in action. Lieutenant Gregory, who passed the Minor examination in 1909, enlisted when in business as a chemist and druggist at Dawlish.

LIEUTENANT RICHARD BABB, Canadian Forces, has been awarded the Military Cross. Lieutenant Babb, who is the son of Mr. J. Babb, Ph.C., Earl's Court, London, S.W., joined up in Dawson on the outbreak of war, and was wounded last year at Ypres.

SNIPER ALFRED G. STREET, King's Own (Royal Lancaster Regiment), has received his discharge from the Army after having been twice wounded in action. Prior to the outbreak of hostilities he was an apprentice with Fisher & Fisher, chemists, Orchard Street, Preston.

MR. WALTER J. WILSON, who was apprenticed to Mr. Thomas Postlethwaite, Ph.C., Southsea, has been granted a commission in the Hampshire Regiment. Second-Lieutenant Wilson enlisted early in the war, and was for some time a non-commissioned officer in the R.E.

PRIVATE THEOPHILUS STEVENSON, King's Own (Royal Lancaster Regiment), has been seriously wounded, and is in hospital in France. Private Stevenson, who in civil life was with John Riley & Sons, manufacturing chemists, Hapton, owes his escape from death to a pocket wallet.

THE THREE SONS of Mr. R. D. Hughes, chemist and druggist, High Street, Denbigh, are all on service with the Army. The eldest, Lieutenant Harold P. Hughes, has been for eighteen months in Egypt; the second, Private H. Reginald Hughes, is with the Home Forces; and the third, Second-Lieutenant H. Clement Hughes, is home on furlough from France.

Miscellaneous.

NO MILK FOR CHOCOLATES.—The Food Controller has issued an Order forbidding the use, in the manufacture of chocolate, of milk, condensed milk, milk-powder, dried milk, or any other milk-preparation, after December 17.

SEASONABLE GIFT.—A whist-drive was promoted recently by the ladies on the staff of R. Parkinson & Sons, Curzon Street, Burnley. Over 11*l.*, including a donation from the firm, was raised, and the sum will be divided among the employés who are serving with the Forces.

ACETIC ACID.—Official notice is given that all applications for permits to deal in acetic acid should be addressed to the Director of Propellant Supplies, Explosives Supply Department, 32 Old Queen Street, Westminster, S.W. 1, and not, as previously directed, to the Chemical Section, Trench Warfare Supply Department.

ONE-MAN BUSINESSES.—Proposals for preserving one-man businesses, and at the same time obtaining more men for service, are outlined in a circular issued to Tribunals by the President of the Local Government Board. Among other points of procedure it is suggested that all cases of men in the same trade, whether proprietors or employés, should be heard at the same time, and that before decision a survey of the district should be made. It is stated that the issue of this circular may be regarded as a fact justifying the rehearing of certain cases.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Commercial Intelligence.

The new Joint Department of the Board of Trade and the Foreign Office, whose formation was announced in the *C. & D.* last week (p. 34), has now been constituted. The new Department will be known as the Department of Overseas Trade (Development and Intelligence). It will be represented in Parliament by Sir Arthur Steel-Maitland, M.P., who will occupy the position both of Additional Under-Secretary of State for Foreign Affairs and also of Additional Parliamentary Secretary at the Board of Trade. The Department will comprise the existing Department of Commercial Intelligence of the Board of Trade, including the management of the British Industries Fairs; the War Trade Intelligence Department; the section of the Foreign Trade Department of the Foreign Office dealing with Form X and with other matters relating to the promotion of trade abroad; and certain functions now performed at the Foreign Office in connection with commercial intelligence and with the Commercial Attaché and Consular Services. Sir William Clark, K.C.S.I., C.M.G., has been appointed Comptroller-General of the new Department, and Mr. F. G. A. Butler C.B., C.M.G., formerly of the Colonial Office, has been appointed Director of the Overseas Division. An Advisory Committee of business men to the new Department is in process of formation and will be announced shortly. The temporary headquarters of the Department will be at 73 Basinghall Street, E.C. 2, to which personal letters for Sir Arthur Steel-Maitland should be addressed. The Commercial Intelligence staff will for the present continue to be housed at the same address.

Venereal Diseases Order.

The "London Gazette," December 18, contains the following list of places to which Section 1 of the Venereal Disease Act will apply on and after March 1, 1918. These are in addition to those mentioned in the *C. & D.*, July 28, p. 43, to which the Section applied on November 1:

City of London.

Counties.

Anglesey.	Pembroke.
Bedford.	Soke of Peterborough.
Brecon.	Southampton.
Carmarthen.	East Sussex.
Carnarvon.	West Sussex.
Flint.	Warwick.
Gloucester.	Westmorland.
Merioneth.	Worcester.
Oxford.	West Riding of Yorkshire.

County Boroughs.

Barrow-in-Furness.	Manchester.
Bath.	Nottingham.
Birkenhead.	Oldham.
Birmingham	Oxford.
Blackpool.	St. Helens.
Bolton.	Salford.
Bournemouth.	Sheffield.
Brighton.	Smethwick
Bury.	Southend-on-Sea.
Chester.	Swansea.
Exeter.	Wallasey.
Gateshead.	Wigan.
Gloucester.	Worcester.
Halifax.	York.
Liverpool.	

Christmas Holidays.

In addition to the list given in our last issue (p. 34), the following closing dates are announced:

Bales Bros. & Co., Ltd., Grange Road, Bermondsey, S.E., December 24, 25, and 26; stocktaking (warehouses only) December 28, 29, and 31.

Berton, Arthur, Ltd., 15 and 17 Worship Street, E.C., December 24, 25, and 26.

Goodall, Backhouse & Co., White Horse Street, Leeds, December 24, 25, and 26.

Hair, B. W., & Son, 104 High Holborn, W.C., December 24, 25, and 26.

Liverpool Lint Co., Mark Street Mills, Liverpool, December 24, 25, and 26.

Macfarlan, J. F., & Co., 9 and 11 Moor Lane, E.C., December 24, 25, and 26, and January 1, 1918.

Oppenheimer, Son & Co., Ltd., 179 Queen Victoria Street, E.C., December 24, 25, and 26.

Raimes & Co., Micklegate House, York, December 24, 25, and 26.

Reuter, R. J., 69 Carter Lane, E.C., stocktaking December 28, 29, and 31.

Tompkins, J., Ltd., 386 City Road, E.C., December 24 (1 P.M.), 25, and 26.

Willows, Francis, Butler & Thompson, Ltd., 40 Aldersgate Street, E.C., December 24, 25, and 26.

Woolley, James, Sons & Co., Ltd., Victoria Bridge, Manchester, December 24, 25, and 26.

Birmingham.

The frequency of "None" and of "Not obtainable" in wholesale chemists' lists is noted here.

The extraneous matter of some brands of saccharin tablets is estimated to be as high as 50 per cent.

Negotiations for the free treatment of venereal diseases at the Birmingham General Hospital have been concluded.

The fall of Jerusalem recalls the burial there, seventeen years ago, of Mr. Richard Cadbury (Cadbury Bros., Ltd.), and the memorial ward endowed in the English Mission Hospital for Jews.

The gas-bag on the car or van is giving rise to speculation on its possibilities as a "dummy." In one case the elegant envelope blew off the roof, and it was discovered that real petrol was being used.

Liverpool.

Mr. Robert C. Herman, pharmacist, presided at a recent Corporation popular lecture on Russian music.

Mr. G. R. Tharratt, Ph.C., has recovered from his indisposition, and is back at his pharmacy in Myrtle Street.

One effect of the reduced supplies is seen in the increase of good feeling among retail chemists over the interchange of proprietaries, etc.—always a delicate matter in the past.

John Thompson, Ltd., announce a full week's Christmas holiday, their staff having foregone the summer vacation. Their office and warehouse hours will in future be 8 to 5 (Saturdays, 8 to 12.30).

Disappointments in season trade have been caused by notifications, received only this week, that perfumes ordered in October or earlier cannot be supplied. In other cases, recent and urgent orders have been promptly dealt with.

Mr. Percy Stone has been presented, on his resignation from the managerial staff of R. Sumner & Co., Ltd., with a testimonial. Mr. Stone, who is highly esteemed by members of the Liverpool Chemists' Association and throughout the trade, had been with Sumner & Co., Ltd., from a youth.

On behalf of the combined Liverpool and London staffs, Mr. William P. Evans was on December 14 presented by Mr. McCaig, in the Hanover Street packing-room, with a silver tea-tray as a memento of his wedding. At the same time Miss Pritchard, one of the company's senior female employés, presented, for the bride, a pendant which had been subscribed for by the lady members of the staff.

Manchester.

The Tank Bank in Albert Square has, since December 16, proved a great attraction for pharmacists with savings.

The Manchester Radium Committee has decided to equip the laboratory at the Radium Institute with research apparatus at a cost of about 1,000*l*.

The window-displays for the Christmas season in the city are of a high standard, and show that chemists are keeping well to the fore in the art of window-decoration.

Blain & Hankinson, Market Street, have in one window an assortment of perfumery, manicure sets, and hot-water bottles, and in the other Dorset basket-covered lavender-water and cases of perfumery.

Mottershead & Co., Exchange Street, have a fine assortment of cases of high-class perfumery, eau de Cologne, lavender-water, and a selection of silver-topped, cut-glass perfume and smelling-salts bottles.

Westmacott & Son, Market Street, have a display of Atkinson's perfumery, as well as other well-known makers (in cases), Cologne and lavender waters. In the other window is a selection of useful winter requisites.

Thompson & Capper, Ltd., make good use of the windows at their Piccadilly branch. In one is a full range of Kodak cameras and accessories, photo albums, flash lamps, and Christmas mounts; the centre window contains an extensive show of perfumery, sprays, and cut-glass bottles. The right-hand window contains a special show of leather goods and presents for the troops. At their Deansgate branch is a similar display.

Boots, Ltd., have special Christmas displays at all of their city branches.

Mr. Galloway, Oxford Street, has in both of his windows an attractive display of perfumery and an assortment of seasonable goods, including a good show of flash lamps.

C. Midgley, Ltd., Exchange Street, have the finest display of any shop in Manchester for cases of perfumery and a range of suitable presents to meet all classes. A novelty in perfumed pottery-ware is shown in one window, with perfumery and toilet-requisites. The other window contains an assortment of manicure-sets, silver goods, and hot-water bottles. In the island show-case is a fine display of Dorset wickered lavender-water, etc.

Mr. R. G. Edwards, Fallowfield, has one of the best window-displays in the suburbs. He makes a leading line of flash lamps and batteries, and has displays of perfumery, hot-water bottles, and other presents.

Mr. J. Cleworth, chemist and photographer, has a neat display of cameras, perfumery, and manicure sets in one window, while the other contains a big assortment of hair brushes, hot-water bottles, flash lamps, and specimen enlargements of soldiers.

Other good seasonable window-displays are being made by Messrs. Bates, Breese, T. Cromack, Wild & Salthouse, Wilson, Mallinson, Ltd., Travis, Stabler, Gill & Son, Kemp, and Flint.

Sheffield.

Mr. E. Preston, Ph.C., has taken over the second year's chemistry class of the City Education Authority.

Quite a procession of pharmacists laden with bullion for Tank 130 was observed not many days since.

The National Association of Industrial Chemists announces a membership of 400, shared among fourteen branches.

Local pharmacists regret to learn that Colonel A. M. Connoll, the C.O. at a Sheffield military hospital, is leaving for the East.

Miscellaneous.

THE RAMSAY MEMORIAL FUND has now reached over 30,000*l*. It is hoped to raise 100,000*l*.

CHRISTMAS CLOSING.—Chemists in Norwich and in Yarmouth will close on December 25, 26, and 27.—Shops in Wrexham will close on December 25 and 26, and on January 2, 1918.

POISONING.—A verdict of "suicide during temporary insanity" was returned at an inquest at Westminster on December 17, on John Dobson, orderly at an officers' club, who, it was stated, took "half a tumblerful" of spirit of salt.

THE PUBLIC PAYS.—The London County Council scheme for the treatment of venereal diseases is to be continued next year at a cost of 38,560*l*.. Up to September 30, 11,976 persons had been dealt with, and it is estimated that the total number for 1917 will be 16,000.

THEFT CHARGE.—At Blackburn, recently, three boys were convicted of stealing pine-tar tablets and tea-milk-and-sugar tablets from the shop of Mr. T. W. Livesey, chemist and druggist, Grimshaw Park. The two eldest, who had been before the Court previously, were birched, and the youngest was placed on probation.

FRAUD ON A DOCTOR. — At the Central Criminal Court, London, E.C., on December 11, Walter Henry Rankin was sentenced to eighteen months' hard labour on a charge of obtaining 10*l*. 16*s*. from Dr. W. H. Duncan, Homerton, E., by false pretences, and of causing false death entries to be made in the public register (see *C. & D.*, November 17, p. 35).

WORKERS' EYESIGHT.—The Institute of Ophthalmic Opticians has arranged to provide qualified opticians to test the eyesight of factory workers. The opticians work gratuitously. Mr. J. Harcombe Cuff, Secretary of the Institute of Ophthalmic Opticians, 25 Friern Barnet Road, London, N. 11, will send full details of the scheme to any engineering firm engaged on munition-work.

THE STOLEN BABY.—The case of the baby taken from outside a Brixton shop (*C. & D.*, December 15, p. 35) took on a new aspect at Lambeth Police Court on December 18, when two young married women were charged with stealing and receiving the child. Recovery took place on December 17, on which day Sir Jesse Boot wrote a letter to the "Daily Telegraph" invoking the aid of the Press.

BUSINESS NAMES.—At Bow Street Police Court, London, on December 18, fines and costs amounting in all to 105*l*. were imposed on Colourgraphs Co., Ltd., Featherstone Buildings, High Holborn, W.C., and Edward C. Barron, a director of the company, for failing to comply with the requirements of the Registration of Business Names Act in respect of new businesses started by them in London.

MEDICAL ACT OFFENCE.—At Bolton (Lancs) Police Court on December 14, Michael Joseph Ryan was fined 1*l*. and costs, under Section 34 of the Medical Act, 1858, for using the words "physician and surgeon by qualification" in his advertisements, he not having been on the Medical Register for three years. For the defence it was stated that defendant thought he had a right to use the words complained of, and that, as it was known that doctors cannot advertise, the fact of his advertisement appearing was in effect an indication that he was not a doctor.

INQUEST STORIES.—At an inquest on December 15 on the body of John Charlton Ayers (60), Red Lion Passage, London, W.C., it was stated that the deceased was formerly a chemist's assistant at Newcastle-on-Tyne, but had lately gained his living by selling matches in the street. Medical evidence showed that death was due to tubercular disease and to valvular disease of the heart.—At Stepney, London, E., on the same day, a verdict of heart-failure following double pneumonia was returned in the case of John Hall Roberts (49), described as a chemist's assistant, who was found dead in bed, fully dressed, at his lodgings.

ROYAL INSTITUTION.—The lecture arrangements at the Royal Institution before Easter include two lectures by Sir R. T. Glazebrook on "The National Physical Laboratory," two lectures by Sir Napier Shaw on "Illusions of the Atmosphere: (1) Revolving Fluid and the Weather Map; (2) the Travelling Vortex and the Cyclonic Depression," two lectures by Professor W. J. Pope on "The Chemical Action of Light," six lectures by Professor Sir J. J. Thomson on "Problems in Atomic Structure." The Friday meetings will commence on January 18, when Professor Sir James Dewar will deliver a discourse on "Studies on Liquid Films." The first lecture of the Christmas course, by Professor J. A. Fleming, will be held at Albemarle Street, Piccadilly, London, W. 1, on December 27, at 3 P.M. The subject of this lecture is "Magnets and the Magnetic Compass."

POTATO-SPRAYING.—The Food Production Department of the Board of Agriculture states that the provisional price of knapsack sprayers is 70*s*., but it may be necessary to raise this figure in the near future owing to possible increases in the cost of labour and material. Growers are therefore asked to place their orders with local dealers at once. The same remark applies to the supply of copper sulphate and soda crystals. Arrangements are being made for the manufacture of thousands of tons of these chemicals and for a very large number of machines, but the transport facilities are likely to be heavily taxed in spring and summer, and the sooner buyers get delivery of the goods the better. The price of copper sulphate will probably be Government controlled, and a reduction made on early purchases.

CREDITORS' MEETING.—A meeting of the creditors of Mr. A. W. Smithurst, pharmacist, 5 Albert Terrace, Blackpool, was held at Blackpool on December 4, when the statement of affairs showed liabilities amounting to 1,167*l*. 10*s*. 2*d*. and assets valued at 421*l*. 13*s*. after deducting preferential claims, leaving a deficiency of 745*l*. 17*s*. 2*d*. The present position appeared to be due to loss on trading and depreciation of assets, and to the fact that the debtor had paid during the last six or seven years over 200*l*. for interest on loans. It was decided that the estate should be dealt with under a deed of assignment provided the father would withdraw the whole of his claim against the estate (527*l*.). Among the creditors are the following: Allen & Hanburys, Ltd., 15*l*.; Barnetts Perfume Co. (Birmingham), 13*l*.; The British Drug Houses, 23*l*.; Crown Perfumery Co., 5*l*.; J. Denoual & Co., 5*l*.; Duncan, Flockart & Co., 12*l*.; Evans Sons Lescher & Webb, Ltd., 21*l*.; Ieilma, Ltd. (London), 5*l*.; T. Kerfoot & Co., 32*l*.; S. Maw, Son & Sons, 7*l*.; Meggeson & Co., 10*l*.; Parke, Davis & Co., 11*l*.; H. C. Quelch & Co., 3*l*.; Quilliam & Co., Ltd., 32*l*.; R. J. Reuter, 3*l*.; J. Thompson, Ltd., 117*l*.; Vinolia Co., Ltd., 25*l*.; J. Woolley, Sons & Co., Ltd., 72*l*.; York Glass Co., 7*l*. (See also p. 36.)

Irish News.

Pharmaceutical Society of Ireland.

The following are the latest dates for lodging applications for the January examinations: Preliminary examination, December 20; Registered Druggist and Pharmaceutical Licence examinations, December 27; Pharmaceutical Assistant examination, December 31. Applications should be lodged with the Registrar by 11 A.M. on the respective dates.

Brevities.

Messrs. Davidson & Murray, chemists, Mountpottinger, Belfast, have carried out extensive improvements to their pharmacy, including the provision of a new shop-front.

At the recent Final examination of the Royal College of Physicians and Surgeons of Ireland, Mr. W. J. McElhinney, Ph.C., 69 Morehampton Road, Dublin, was among the successful candidates.

Sergeant Robert Bradley, Canadian Army Medical Corps, who paid a brief leave visit to Belfast last week, served his time with Mr. Samuel Gibson, King Street, and in Canada was engaged in a similar business in London, Ontario, before he entered the Army Medical Corps.

By arrangement with Dr. E. Coey Bigger, medical inspector to the Local Government Board, and on behalf of the Dentists Act Committee, Messrs. W. Corbett, R.D. (President), and Mr. J. D. Carse, R.D. (Hon. Secretary), of the Dental Society of Ireland, waited on Dr. Bigger at the City Hall, Belfast, on December 12, and placed their views on the subject of registration before him. Dr. Bigger gave the deputation a sympathetic hearing, and will report to the Committee.

Scottish News.

Brevities.

There is an outbreak of measles at Linlithgow.

Miss B. W. Simpson, B.Sc., has been appointed a temporary assistant in the chemistry department of Aberdeen University.

Mr. Peter Fenton, chemist and druggist, The Ore Pharmacy, Cardenden, has extended his premises by the addition of rooms for sight-testing and storage. Mr. Fenton was recently hon. Vice-President of the Cardenden Y.M.C.A.

Analyses of bituminous shale in the Castlecary and Coneypark districts show a good yield of petroleum. Different samples are estimated as yielding from 17 to 19 gallons per ton, and better results are expected from working on a larger scale.

Edinburgh.

Half-holiday on Christmas Day and also the customary half-holiday will be taken by many chemists next week.

In a paragraph headed "Mirror Lore," a local writer recommends the addition of a little glycerin to the water used in cleaning mirrors.

The panel scripts of a Scottish medical practitioner are said to be so purely pharmaceutical that his drug account works out at 7*d.* per head per annum.

A local chemist finds that in the space of a month he has been charged 9*d.*, 1*s.*, and 1*s.* 4*d.* for similar quantities of the same article by three different wholesale houses.

The testator of the 250,000*l.* bequest for cancer research (*C. & D.*, December 8, p. 36) is the late Mr. George Fisher Melville, advocate, Moray Place, Edinburgh, who died on July 12.

The majority of chemists do not specially cultivate the "seasonable present" trade in these days. As a result, possibly, the big drapery firms are pushing the sale of expensive soaps and perfumes more than ever this year.

Here is the latest—and lamest—excuse for possessing a dirty bottle. A girl asked for some pure olive oil, and the chemist murmured that the bottle did not appear to be clean. "I ken," was the reply, "but we jist flitted from Leith yesterday afternoon!" ["Flit" for "remove" is also current further south.—ED.]

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

ROYAL VETERINARY COLLEGE, IRELAND.

The Chief Secretary for Ireland informed Mr. Meehan on December 13 that the Irish Department of Agriculture is not in a position at present to make any statement in regard to the filling of the vacancy caused by the much-regretted death of Professor Mettam.

EDUCATION BILL.

The Chancellor of the Exchequer stated in the House of Commons on December 13 that the Education Bill is to be allowed to lapse, but the Minister of Education proposes at an early date to introduce a new Bill amended so as to meet certain criticisms which have been made since the Bill was introduced.

THE MANUFACTURE OF CAFFEINE.

The Financial Secretary to the War Office informed Mr. Lynch that the conservation of used tea-leaves was undertaken in the Army as an experiment for the purpose of extracting caffeine, but the process was not found practicable on a satisfactory commercial scale. The sale of dried tea-leaves by Army cooks is not now authorised.

PEACE TERMS.

Major David Davies on December 18 asked the Secretary of State for Foreign Affairs whether he is prepared to propose to the Allied Governments the conclusion of a treaty for the total exclusion of all commerce, shipping, and trade with the Central Powers until such time as they have abandoned all territories occupied by force of arms during this war, made complete reparation for all their crimes against civilised communities on land and sea, and have signified their acceptance of the Allied proposals for the self-determination of nationalities, international arbitration, and limitation of armaments after the war.

Lord R. Cecil replied that the suggestion will receive careful consideration.

SWISS DYE-WORKS.

Mr. Pennefather asked the President of the Board of Trade whether any Swiss or other foreign concern had any financial interest in any British dyeing-works; and, if so, whether any enemy person or bank was interested in such foreign concern.

Mr. Wardle, who replied, said the Clayton Aniline Company, Ltd., of Manchester, is owned by the Society of Chemical Industry of Basle, and he understands that there is some association between the Sandoz Chemical Company of Switzerland and H. N. Morris & Co., Ltd. He has no reason to believe that either of the Swiss companies named is under any enemy influence, and both of them have rendered substantial services to the British textile and dyeing industries during the war.

ENEMY TRADE-MARKS.

Sir Richard Cooper on December 18 asked the President of the Board of Trade under what power the enemy trade-marks, Sanatogen (246,802 and 257,583) and Formamint (264,704), were removed from the Register of Trade-marks, seeing that applications made in 1914 under the Patents, Designs and Trade-marks (Temporary) Rules Act, 1914, were refused; and whether, in the interests of the trading community, he will use the same power to remove from the Register of Trade-marks other enemy-owned marks which, like the two referred to, are the names of articles the patents for which have expired.

Sir A. Stanley replied that the trade-marks in question were removed from the Register by the Board on grounds of public interest under the powers conferred by the last paragraph of Rule (1) of the Trade-marks (Temporary) Rules, 1914. The Order was made after careful consideration of evidence which was not available in former applications. Any suggestions for the removal of marks of the character referred to by the hon. member will, of course, be carefully considered, but it is desirable that applications for such removals should be made in the ordinary way under Rule (1).

NATIONAL HEALTH INSURANCE BILL.

During the progress of this Bill through Grand Committee some amendments were made. Clause 32, which contains a provision enabling the Insurance Commissioners to remove the name of any medical practitioner from all or any of the panel lists, and also to reinstate him, has been amended, so that the new provision applies also to "any person, firm, or body corporate, undertaking the supply of drugs, medicines, and appliances." A new sub-clause has been added to Clause 41 (formerly 39), which now reads as follows:

(1) For the purpose of removing doubts, it is hereby declared that the expression "a sum not exceeding one penny in all" in Sub-Section (2) of Section 33 of the National Insurance Act, 1913, means a sum not exceeding one penny in all in respect of each year.

(2) Any travelling expenses incurred by members of any local Committee elected under Sub-Section (1) of Section 33 of the National Insurance Act, 1913, or of any Committee elected by medical practitioners under Section 32 of the said Act, in attending meetings of the Committee or of any Sub-Committee thereof, and any expenses incurred by any such members on account of subsistence while so attending, shall be deemed to be administrative expenses of the Committee within the meaning of Sub-Section (2) of the said Section 33.

The Bill as amended in the Standing Committee was read a third time in the House of Commons on December 18.

Deeds of Arrangement.

Smithurst, Albert Wagg, 5, Albert Terrace, Blackpool, chemist and druggist. Dated December 7; filed December 13. Trustee, P. S. Booth, 2 Bixteth Street, Liverpool. Unsecured liabilities, 1,132*l.*; estimated net assets, 422*l.*

Lyle, Georgiana Lavinia, East Street and 2 Bridge Street, Berwick-upon-Tweed, surviving partner of William Lyle (her deceased husband), late carrying on business in co-partnership at East Street, Berwick-upon-Tweed, as Lyle & Co., wholesale chemists and druggists. Dated December 11; filed December 17. Unsecured liabilities, 942*l.*; estimated net assets, 754*l.* Assignment of goodwill and business estate, book-debts, etc., also real and personal estate upon trust, etc. The creditors include: Chiswick Polish Co., 13*l.*; W. Cooper & Nephews, 11*l.*; W. & A. K. Johnston & Co. (Edinburgh), 18*l.*; Grimble & Co., 10*l.*; H. Stevenson & Sons, Ltd. (Manchester), 10*l.*; B. Robinson & Co. (Manchester), 12*l.*; McDougall Bros. (Manchester), 32*l.*; Beaufoy & Co., 13*l.*; Robertson & Son (Oban), 34*l.*

Legal Reports.

Tartaric Acid.—At Camberley Police Court on December 13, the Timothy White Co., Ltd., were fined 10*s.*, and the analyst's fee (10*s.* 6*d.*), for selling crystal tartaric acid containing 50 parts of lead per million, the maximum in the British Pharmacopœia being 20 parts per million. A warranty had been received by defendants from the wholesaler which protected them, but notice had not been given of the warranty in accordance with Section 2 of the Sale of Food and Drugs Act. The Bench therefore were bound to convict.

Lead in Epsom Salts.—At Hinckley Police Court on December 13, W. Newcombe, Burbage, was fined two guineas, and the analyst's fee, for selling Epsom salts containing 1.5 gr. of lead in 2 oz. George Sharpe and Annie Wells were at the same court each fined two guineas, and the analyst's fee, for a similar offence.—At Lutterworth a summons against the Rugby Co-operative Society was dismissed, warranties being produced from the Wholesale Co-operative Society and Blythe & Co., Church. There was disparity between the proportion of lead found by the analyst and that certified by a London analyst.—At Loughborough, on December 12, William Ensor, grocer, was fined 20*s.* for selling Epsom salts contaminated with lead. Benjamin A. Woodroffe was also fined the same amount for a similar offence.

Dried-milk Patent.—In the Court of Appeal, before Lords Justices Swinfen Eady, Warrington, and Scrutton, on December 13, the hearing was commenced of the case of J. R. Hatmaker *v.* J. Nathan & Co., Ltd., upon the appeal of the plaintiff from a judgment of Mr. Justice Astbury in the Chancery Division, giving judgment for the defendants (*C. & D.*, July 21, p. 38). The case referred to the use of a patent method of drying milk, which was held to be invalid. Mr. Hatmaker appeared in person to argue his appeal, and Mr. A. J. Walter, K.C., Mr. Colefax, K.C., and Mr. J. Hunter Grey represented the respondents. Mr. Hatmaker said the specifications of his letters patent followed, as he contended, the form of the Patent Office, and described the nature of the invention and the manner in which it was to be performed. The gist of the invention was the rapid evaporation of the water in the milk, which enabled the whole of the valuable properties in milk to be retained—the salts, fats, and so on—and involved a revolution in the drying of milk, it being done without burning or injuring the milk. Mr. Hatmaker on subsequent days went into the claims of the patent, and considered the judgment and evidence. At the conclusion of the argument of Mr. Hatmaker, and without calling upon counsel for the respondents, their Lordships on December 19 dismissed the appeal, with costs. Lord Justice Swinfen Eady, in delivering judgment, said in his opinion the process described in the specification did not produce the result which the patentee said it did, and that the plaintiff had become aware of that himself when he applied in 1906 for a patent with a view to correct Dr. Just's invention, and to put it in such a form as to secure the result claimed. His Lordship was of opinion that the judgment of Mr. Justice Astbury was right, and that the appeal of Mr. Hatmaker failed. The other members of the Court concurred.

Dispensing Tested.—At the Old Street Police Court, London, on December 13, Amy Menhenick, dispenser, and Thomas Edwards, chemist and druggist, 205 Kingsland Road, E., were charged, under the Sale of Food and Drugs Act, with selling 8 ounces of medicine which was deficient in potassium bromide to the extent of 33 per cent. Mr. Ray prosecuted, and Mr. Robinson, who defended, pleaded guilty. Mr. Ray said the inspector obtained a prescription for medicine and had it made up at defendant Edwards' shop, the young lady being the dispenser who prepared it. On analysis it was found by the public analyst not to agree with the requirements of the prescription, one of the ingredients, potassium bromide, being deficient 33 per cent. Mr. Robinson did not contest the analysis, but questioned the inspector, who agreed that there was another lady in the dispensary who was taking part in a conversation with Miss Menhenick at the time the latter was making up the prescription. Mr. Edwards had carried on business in the parish for more than twenty years. Witness had taken samples from Mr. Edwards' shop many times with the object of finding out if substituted drugs are in use. There was no such allegation in this case; the article required by the prescription was supplied, but not enough of it. Addressing the Magistrate (Mr. Wilberforce), Mr. Robinson said he would have preferred that the case should have been taken against the lady dispenser only, who had come to Mr. Edwards with very great qualifications and plenty of experience, and held the certificate of the Society of Apothecaries as a qualified dispenser. The potassium bromide in use in the shop was kept in solution, and the standard of that had been 1 to 4 until, only five days previously to this case, it had been altered to 1 in 6. The inspector had admitted that the dispenser was partly engaged in conversation with a lady in the shop, who wanted something she could not get, and while talking at the time was making up the prescription. A momentary lapse of memory led her to take the bromide as still 1 in 4. Had that been so there would have been the right quantity in the medicine. It was a momentary act of forgetfulness which might have a serious effect. Mr. Edwards had dispensed 250,000 prescriptions under the National Insurance Act, and might be seriously affected if the Commissioners took serious notice of this as something served to the prejudice of the purchaser. That was not so; there was no question of substituted drug such as sodium bromide, which would have been more serious. He tendered Miss Menhenick as a witness, but the Magistrate thought it unnecessary, and the prosecution agreed to withdraw the summons on payment of two guineas costs by Mr. Edwards.

What is Spirits of Tar?—A case heard on December 11 before the Railway and Canal Commission in London was an application by the Traders' Traffic Conference, which includes some of the largest coal-tar distillers, against the Midland Railway, who acted on behalf of eight other railway companies. The Conference asked for a declaration by the Court that benzole, naphtha, and toluol are spirits of tar, and that instead of being classed as dangerous goods in Class A (inflammable liquids, acids, etc.), they should be regarded as "spirits of tar," which occurs in the statutory classification under Class 2 at a very much lower rate at company's risk. Mr. Rowland Whitehead, K.C., appeared for the applicants, and pointed out the importance of the traffic in which the traders were concerned. Dr. Harold Colman, the first witness, gave it as his opinion that these articles are spirits of tar. He described the distillation of coal-tar and the manufacture of these products generally. In reply to Mr. G. J. Talbot, K.C., who appeared for the railway company, he said he was only able to produce one reference to a coal-tar distillate being described as spirit of tar, and that occurred in Spon's "Workshop Receipts." He admitted that spirit of tar is a synonym for rectified oil of wood-tar, but this is a small trade, and carried on only by druggists. He maintained that in the coal-tar works the distillates are called spirits, but he could not state that they are ever invoiced or declared when consigned by rail as spirits, but under their respective titles. Sir William Tilden, the next witness, said he agreed generally with Dr. Colman's evidence, and added that in his opinion the volatile products of coal-tar were known in the early part of last century as spirits. In cross-examination, he could not explain why during the hearing of objections to the revised classification in 1890, before Lord Balfour of Burleigh, no attempt was made to place naphtha and its products under Class 2, or why it was described then by counsel as "a very small traffic." Professor Morgan, F.R.S., followed, and generally supported the traders' contention. Mr. Talbot, before calling witnesses for the railway companies, mentioned that the early classification was made by the railway managers, and not by their chemists, as is now the practice. He explained that as dangerous goods were not specifically dealt with in 1890 it was evident that the spirits of tar which was mentioned at the time and left in Class 2 was not regarded as dangerous, although the companies had the right to transfer articles, which were found in fact to be dangerous, from one class another. He illustrated this by the example of picric acid, which for some time after its introduction as a yellow dye was carried under that class, but was transferred to the dangerous class without any objection being raised after its explosive character was revealed. He admitted that the companies, in order to clear up the matter, had last year given a definition of spirits of tar which was infelicitously expressed thus: "Spirits of tar comprises any spirit distilled from any tar"; but that they had added that as any such spirit must be volatile and inflammable, and its vapour in admixture with air must form an explosive or inflammable mixture, the companies had transferred the article to the dangerous section when it flashed below 73° F. Mr. Horatio Ballantyne, F.I.C., called as a witness, stated that he had been familiar with spirits of tar for twenty-seven years, and that the name referred exclusively to a wood-tar product. He had not found any reference to it in books relating to coal-tar distillation, and considered it would be as misleading to describe benzole, naphtha, or toluol as spirits of tar as it would be to call petrol rectified spirit, although petrol is no doubt a spirit, and purified

by rectification. In technological and pharmaceutical literature it was described as light or rectified oil of tar. In cross-examination it was elicited that the sample he had examined had a specific gravity of 0.879 and a flashing-point of 73.5° F. Mr. J. H. B. Jenkins, F.I.C., chief chemist to the Great Eastern Railway, described spirits of tar as a wood-tar distillate widely used, especially in the past, in veterinary practice. He produced four samples purchased from druggists, additionally labelled in one or two instances "Rectified oil of tar." He quoted Beasley's "Pocket Formulary" (1886), where oleum picis liquidæ is given as meaning oil or spirit of tar, and showed that wood-tar only was meant. In 1899 he obtained a sample of spirits of tar from a firm of coal- and wood-tar distillers, which proved on analysis to be spirit of wood-tar, and was actually labelled "Stockholm tar spirit." He gave in cross-examination the specific gravity and flash-point of the samples exhibited. The sp. gr. varied from 0.882 to 0.999, and the lowest flash-point was 107° F. Mr. Justice Lush at this point intimated that no further evidence was required, and after Mr. Whitehead had closed his case proceeded to sum up, indicating that in his view the application had failed, and the case must be dismissed, in which the two Commissioners sitting with him agreed. Mr. W. A. H. Naylor, F.I.C., director of The British Drug Houses, and Mr. E. J Millard, F.C.S., managing director of C. J. Hewlett & Son, Ltd., were retained by the railway companies, and were in court to give evidence of the naturo and pharmaceutical uses of spirit of tar, but were not called.

Company News.

A. J. WHITE, LTD., have declared an interim dividend of 2 per cent. (2⅔*d.* per share), less income-tax, on ordinary shares.

CUXSON, GERRARD & CO., LTD.—Mr. Maurice Smith, J.P., Ph.C., formerly of Kidderminster, has been elected a member of the board of directors. He will act as chemist technologist and works manager at Oldbury.

IDRIS & CO., LTD.—The ordinary general meeting was held at the Midland Grand Hotel, London, N.W., on December 18, Mr. T. H. W. Idris (chairman) presiding. The directors' report and balance-sheet and the auditors' report (see *C. & D.*, December 15, p. 39) were adopted, and the retiring directors, Messrs. E. K. Bishop and W. T. W. Idris, were re-elected. The Chairman, in moving the adoption of the report, compared the various items with the corresponding ones of last year. He reminded the meeting that the previous report stated that it would be very difficult to show a better result during the war; nevertheless, an improvement took place during the past twelve months in spite of great difficulties. The manufacturers' agreement to charge a deposit on all syphons, etc., was of benefit in securing the prompter return of empties. Although the directors could not forecast the future with certainty, they were of opinion that difficulties in trading must increase with the continuance of the war, and would suggest that shareholders could assist the company in many ways, and especially by promoting the sale of "Phosphade," "Tonalka," and "Idris Lime-juice Cordial." A brief discussion took place before the motion was put and the report adopted.

BRITISH LAMPBLOWN SCIENTIFIC GLASSWARE MANUFACTURERS ASSOCIATION, LTD.—This company, limited by guarantee, has been formed to organise and protect the interests of the members and associates and the British lampblown scientific glassware trade generally. The objects have been drawn up so that the larger questions of education and research may be promoted and the whole industry placed on a foundation which will enable the members to meet after-war conditions under the most favourable auspices. The houses engaged in the industry who have joined the Association are Baird & Tatlock, Ltd.; M. Bailey & Co.; Black, Son & Spencer; S. & A. Calderara; Casartelli Bros.; C. F. Casella & Co., Ltd.; A. C. Cossor & Son; F. Darton & Co.; J. J. Hicks, Ltd.; Hyphosol, Ltd.; A. Lee & Co.; Joseph Long; A. Luraschi; Negretti & Zambra; Pastorelli & Rapkin; Perken, Sons & Co.; G F. Pizzala & Co.; Powell & Co.; Haward, Rawson & Co.; T. A. Reynolds & Co.; T. E. Thompson & Co.; R B. Turner & Co.; T. Tyrc & Sons; E. Williams & Co.; and G. H. Zeal. The following are the officers of the Association: *President*, Mr. M. W. Zambra; *Vice-Presidents*, Messrs. Baird and Casartelli; *Treasurer*, Mr. Calderara; *Hon. Secretary*, Mr. Zeal (82 Turnmill Street, London, E.C. 1). These, with Messrs. Black, Luraschi, Cossor, Prince, and Baker, form the Council.

Birth.

DONALDSON.—At 403 Commerical Road, Portsmouth, on December 6, the wife of G. A. Donaldson chemist and druggist, of a son.

Marriages.

BUSHNELL—HOLMES.—At the Parish Church, Eden Bridge, Kent, on December 15, by the Rev. H. O. Edwards, Major Frank George Bushnell, R.A.M.C., eldest son of the late Robert and Mrs. Bushnell, of Worthing, to Eleanor Murton, daughter of the late Walter Murton and Mrs. Holmes, Sutton, Surrey.

EVANS—RHODES.—At the Chapel Royal, Savoy, London, on December 18, by the Rev. H. B. Chapman, Chaplain, assisted by the Rev. C. C. Nation (late Vicar of Barrowby), William Paterson Evans, Club House, Bidston Hill, Birkenhead, to Inga, younger daughter of Mr. and Mrs. Arthur Rhodes, Camden House, Weybridge.

Deaths.

ANDERSON.—At Alde House, Aldeburgh, on December 17, Mrs. Elizabeth Garrett Anderson, M.D., aged eighty-one. Mrs. Anderson was born in London. Her medical studies were begun in 1860 under the great disadvantages of finding no school open to women nor any examining body willing to accept them as candidates. Eventually, taking advantage of the phrase "all persons" in the Apothecaries Act, Miss Garrett threatened the Society of Apothecaries with a mandamus; and the Society, acting on counsel's advice, authorised her to obtain her medical education privately, and in 1865 granted her the L.S.A. diploma. Other British medical bodies proving more refractory, Miss Garrett went to Paris for her M.D. degree, which she obtained in 1870. In the same year she was elected a member of the first London School Board, and the following year married Mr. J. G. S. Anderson. Many public distinctions subsequently fell to her lot, among them being that of Mayor of Aldeburgh. In the first list of appointments to the new Order of the British Empire, the names of her son, Sir Alan Garrett Anderson, and her daughter, Dr. Garrett Anderson, both appear.

FOWLDS.—At Keighley, on December 11, Mr. William Fowlds, chemist and druggist, aged fifty-three. Mr. Fowlds, who had been in indifferent health for the last three years, was in business at Ingrow Bridge for thirteen years, and previously at Wellington Street and Low Street, Keighley. One of his sons is serving with the Colours in East Africa.

HARWOOD.—At Bourne Vale, Junction Road, Andover, on November 21, Mr. George Rosamond Harwood, chemist and druggist, aged sixty-three.

HENDERSON.—At The Lodge, Broxburn, on December 14, Mr. Norman Macfarlane Henderson, aged seventy-eight. Mr. Henderson was general manager and a director of the Broxburn Oil Works, and was the inventor of a process for purifying paraffin.

PAUL.—At Park Side, Kingston Vale, on December 13, Helena Katherine, widow of Dr. B. H. Paul (formerly Editor of the "Pharmaceutical Journal"), who died in April. Mrs. Paul leaves a son and a daughter. The son, Lieutenant H. B. Paul, was able to get leave, and was with his mother when she died. The funeral took place at Putney Vale Cemetery on December 18, when there were present several representatives of pharmacy.

Died on Service.

BROOKES.—In hospital in France, on December 10, of pneumonia, Private Herbert Ernest Victor Brookes, London Regiment, only son of Mr. F. J. Brookes, Ph.C., 56-59 Bunhill Row, London, E.C., and 9 Burgery Road, Catford, London, S.E. Private Brookes joined the Forces in November 1914, and was on active service in France from August 1915 till he fell ill in the trenches.

BROWN.—Second-Lieutenant J. W. Brown, Yorkshire Regiment, has died on service. Lieutenant Brown, who in civil life was on the clerical staff of Brotherton & Co., Ltd., manufacturing chemists, Leeds, had recently been granted his commission, and only two days before receiving the wounds that proved fatal had been awarded the Military Cross.

CARR.—Private B. E. Carr has fallen in action in France, aged forty. Private Carr, who in civil life was sales-

manager to Mays & Mackay, Ltd., wholesale chemists, Reading, had been in France since April; he was shot by a sniper during a bombing attack.

GARDINER.—Private William Wilkie Gardiner, Black Watch (Royal Highlanders), died on November 20 of wounds received in action. Private Gardiner, who passed the Minor examination in 1909, had served his apprenticeship with Mr. D. Buchanan, chemist and druggist, Kirriemuir: when called up he was managing the branch shop of Mr. M. Macfarlane, chemist and druggist, Forfar.

GIBBONS.—Captain Roland B. Gibbons, Royal Warwickshire Regiment, has been killed in action, aged thirty-two. Captain Gibbons was a director of J. & E. Sturge, Ltd., manufacturing chemists, Wheeley's Lane, Birmingham.

GOLDSWAIN.—Trooper Frank Goldswain, Yeomanry, is reported killed in action. Prior to enlistment he was with Mr. R. W. Houfe, Ph.C., Peascod Street, Windsor.

HEPBURN.—Private James Hepburn, London Regiment, was killed in action in France on November 30, aged twenty-nine. Private Hepburn, who belonged to Anstruther, N.B., was well known to a large circle of golfing chemists.

Personalities.

COUNCILLOR F. A. WILLCOCK, chemist and druggist, Wolverhampton, has been elected Chairman of the Parks and Baths Committee of the borough.

MR. L. A. MARTIN, director of Henry Tate & Sons, Ltd., and Chairman of the Council of the London Chamber of Commerce, has been elected President of the Appeal for 1918 of the Commercial Travellers' Benevolent Institution.

AMONG the new magistrates for the county of Chester is Mr. William Paterson Evans, of Club House, Bidston Hill, Birkenhead, chairman of Evans Sons Lescher & Webb, Ltd., and President of the Liverpool Chemists' Association.

DR. ARTHUR KEITH, F.R.S., has been appointed Fullerian Professor of Physiology at the Royal Institution. Dr. Arthur Keith is Conservator of Museum at the Royal College of Surgeons, and author of "The Human Body," "The Antiquity of Man," and other works.

COUNCILLOR J. HAROLD COLEMAN, chemist and druggist, Secretary of the Wolverhampton Chemists' Association, has been elected a member of the new Educational Committee of the Wolverhampton Corporation, and at its meeting on December 11 was unanimously chosen as Chairman of the Technical Committee.

Wills.

SIR EDWARD EVANS, J.P., Spital Old Hall, Bromborough, Cheshire, and 56 Hanover Street, Liverpool, of Evans Sons Lescher & Webb, Ltd., who died on October 10, left estate of the value of 85,341*l.* 15*s.* 3*d.*, the net personalty being 45,626*l.* 17*s.* 11*d.* The testator gives 1,000*l.* and the household effects to his wife; 1,000*l.* to each of his grand-children Humphrey Edward and Beatrice Martha; 5,000*l.* in trust for his daughter-in-law; 50*l.* each to the executors; the presentation-plate, given to him by the Liberals of Liverpool and Wirral and by the National Liberal Federation, to his son John Nevett Evans; 1,000*l.* each to his daughters Gertrude Mary and Margaret; 40*l.* each to his gardeners, Turnbull and Spencer; 30*l.* to John Barnes; 20*l.* each to servants of five years' service; and the residue of the property in trust for his children other than his son John Nevett, for whom he provided in his lifetime.

MR. SAMUEL KAY, J.P., chemist, Charlestown, Davenport, Stockport, chairman of Kay Bros., Ltd., who died on March 29, left estate of the value of 357,360*l.* 0*s.* 9*d.*, with net personalty 308,650*l.* 10*s.* Among the bequests are the following: 250*l.* to the Heywood Technical School; 100*l.* to the Benevolent Fund of the Pharmaceutical Society; 100*l.* to his bookkeeper, John William Leather; 50*l.* to his clerk, Mr. Leah; 10*l.* each to John Wilkins and Geo. Lewis, if still in his employ; and 5*l.* to each workman, boy, and girl in the employ of his firm. He left 100*l.* and the use and enjoyment of his residences and furniture to his wife; 500*l.* each to his nephews George Shaw and Edward Hardcastle. The residue of the property he leaves in trust to pay two-fifths of the income thereof to his wife for life, and the remaining three-fifths to his children Samuel Vernon, Gladys Ethel, and Florence Sagar. On the death of Mrs. Kay the property is to be divided between all his children.

Associations' Winter Session.

London Co.—The Executive Committee of the London County Pharmaceutical Association met at 17 Bloomsbury Square on December 18, Mr. A. R. Melhuish (President) in the chair. It was resolved that the difficulty of obtaining supplies of such substances as olive oil and lard for the preparation of ointments and liniments be submitted to the Pharmaceutical Council for solution. Mr. Jenkin has agreed to continue to serve on the Organisation Sub-Committee. The Pharmaceutical Council wrote with regard to the position of chemists under the Merchandise Marks Act and the Sale of Food and Drugs Acts, in reference to the sale or use of substitutes recommended in the Codex War Emergency Formulary, that they have been advised that any prosecution under these Acts would be unsuccessful. The reports of the Pharmaceutical Insurance Sub-Committee and the Trade Sub-Committee were adopted; and the question of a rota for late dispensing is to be left in the hands of the Pharmaceutical Committee for negotiation with the Insurance Committee.

London (N.).—A joint meeting of the North London Pharmacists' Association and the West Ham Association of Pharmacy was held at the Progressive Pharmacy Club, Arundel Hotel, W.C., on December 13, Mr. Hugo Wolff presiding, when Mr. Alec Nathan, managing director of Glaxo, Ltd., read a paper on *Modern Business Methods*, in the course of which, after dealing with the relationship of proprietor and retailer, he said that in view of the present agitation about increasing the margin of profit on P.A.T.A. goods, irrespective of their nature, it should be remembered that lack of discrimination in this matter might compel a proprietor to seek other channels of distribution and protect his good name with the assistance of protective and aggressive advertising. It is unfortunate that there is a prevalent tendency for the general public to look upon the chemist as a substituter, and it cannot be too strongly urged that every time the chemist substitutes he does incalculable harm to his reputation, and ill serves his craft and himself. To make more profit on a substitute is small compensation put alongside a dissatisfied customer, and good will should be found the sanest, safest, and solidest foundation for a business to be built upon. Retailers should combine for buying, as through Ucal, and observe the following causes of success: Know your public and buy what they want; buy frequently and in small quantities; know the cost of doing business; know your stocks and know which lines are profitable; get rid of slow-moving stock; keep down rent and overhead; don't be afraid to collect money owing to you; train your assistants in modern selling methods; subordinate everything else to selling goods at a fair profit. In the subsequent discussion Messrs. Wolff, J. H. Matthews, Hearle, Kirkpatrick, and Skinner took part. Mr. Nathan, in replying to the various points, emphasised one of them, which was that the time is ripe when all sections of the drug-trade should come together and exchange ideas in the spirit of co-operation. A vote of thanks was heartily accorded, and the desire expressed that the Secretary should get more of the heads of large businesses to give papers before the Association.

Manchester.—The Manchester Pharmaceutical Association held a social evening in the Association's room, Market Street, on December 12, the President (Mr. Joseph Bell) in the chair, for the purpose of assisting the Benevolent Fund. A splendid programme was submitted, items being contributed by Messrs. J. H. Franklin, E. Chapman, W. Jones, and Simmons (Salford). Mr. Matz was an able accompanist, and the various "turns" were thoroughly enjoyed. While refreshments were being served, Mr. Mallinson appealed for support for the Benevolent Fund, giving an outline of the work done by it, and the collection which followed produced 6*l.* 14*s.* 6*d.* The entertainers were heartily thanked for their services.

Norwich.—The quarterly meeting of the Norwich and District Pharmaceutical Association was held on December 5 at the Y.M.C.A. Rooms. The President (Mr. Percy Robinson) gave an account of the Local Associations Executive Conference and emphasised the steps taken with regard to rural areas, assuring country members that the Pharmaceutical Society would not allow the matter to remain in its present unsatisfactory condition. Mr. R. M. Ling reported on his attempt at the Norfolk Insurance Committee to obtain the excision of the objectionable words "and shall" in Article 12, and the favourable progress he was making towards that end. The same action, it was hoped, would be taken by the Pharmaceutical representatives on all County Insurance Committees. It was agreed to invite the East Anglia Federation to hold its

annual meeting at Norwich in February, and a Committee was formed to carry out the necessary arrangements. The Secretary reported that an agreement had been come to between the Norwich Insurance Committee, doctors, and chemists on the question of earlier closing, and the Commissioners had now sanctioned 7.30 each evening. It was agreed to close Tuesday, Wednesday, and Thursday, December 25, 26, and 27, giving service on Wednesday and Thursday from 9.30 to 10.30 only. The proposed Ministry of Health was discussed, and it was agreed to send the following resolution to the Pharmaceutical Society: "The Norwich and District Pharmaceutical Association views with interest the appointment of a Minister of Health and the probability of a State Medical Service for all classes, and trusts the Pharmaceutical Society will take the earliest opportunity of pressing the pharmacists' claim to all the dispensing."

Sheffield.—The Sheffield Pharmaceutical and Chemical Society met at the Literary and Philosophical Society's rooms on December 13, Mr. A. H. Culverhouse presiding. It was decided to support the resolution of the Brighton Association in pressing for the full face-value of patent medicines. Strong objection was taken to the classifying of unqualified drug-vendors under the heading of "Chemists and Pharmacists" in the local Directory, and the editor is to be asked to submit his list to the Secretary for revision before the next edition is published. Mr. F. G. Hines (York) then read his paper, *Some Thoughts on Reconstruction*, in which he said that at the present time reconstruction is the one predominating thought. In every aspect of life we are trying to envisage conditions when peace again prevails. In our own sphere we are anxious to grasp the right spirit that should imbue us in our desire to reconstruct the house of pharmacy with imagination and with foresight. The Pharmaceutical Society should be the outstanding feature of pharmaceutical life; but there is nothing sacred about the Society or its constitution. Mr. Hines suggested that the fundamental error of the past was the desire to centralise control at headquarters. He insisted on individual responsibility as opposed to government by the official. The more the number of people is increased who are intimately concerned with the government of pharmaceutical affairs, the nearer is brought to the individual his responsibility in relation to the common good. The speaker emphasised the value of strong local Associations so run that every man felt a direct interest in their work. The first step in reconstruction is to start with the individual and appeal to him locally on the line of social service: the unnatural process is to lay stress on the importance of membership of some Society in London. To subscribe a guinea annually and leave the rest is not only fatally easy but easily fatal. The federation of local Associations is the next obvious and essential step. To progress beyond this point the touch of genius is required to secure that the central Society shall give the utmost satisfaction to, and efficiently control the destiny of, every individual member. Mr. Hines called attention to the position of the Pharmaceutical Society (comprising roughly half the registered chemists), confined by its Charter and the limited vision of its founders, and that of the Local Associations Executive (representing panel chemists) holding the germ of idea of all that appeals from the business side of pharmacy. He insisted that the only sound method of building up is to render pharmacy to the Society and commercial control to our Commercial Side. The examinations and organisation should incorporate and regulate both the scientific and the commercial instinct. The speaker then discussed his ideals of the functions, status, and examinations of the Society, including post-graduate education, the pharmacist in relation to public life, and the commercial aspect of pharmacy, laying stress on the recent Press discussion on profits of proprietary articles. He concluded by insisting that the value of the pharmacist to the community must rest on his training and attainments; that no mere tinkering with the Society's constitution will be worth while, but that it must reconcile and embrace all interests and get rid of the stultifying influences of tradition; and he appealed for a free hand in regard to commercial affairs and greater sympathy in receiving the activities of himself and those who thought with him. A good discussion ensued, and Mr. Hines was thanked for his paper. In replying, he said he was only out for reconstruction; his idea was of converting the L.A.E. business, with the Society acting as the House of Lords. Explaining the War Office deputation of three members, he complained that they were appointed by the President and not by the Council. He himself was one of the first three, but was unable to attend on account of urgent business engagements. So his name was replaced by another member. The Council showed too much opposition to new men with new ideas, and were bound by the influences of tradition.

Trade Notes.

PRICE ALTERATIONS in bismuthated magnesia are announced in the advertisement in this issue of the Red Band Chemical Co., 186 Dalry Road, Edinburgh.

POCKET BATTERIES.—The Provincial Incandescent Fittings Co., Ltd. (Pifco), High Street, Manchester, promise prompt delivery of Dazlite batteries, cases, torches, and bulbs.

METTONE is a photographic developer which B. W. Hair & Son, wholesale druggists, 104 High Holborn, London, W.C. 1, offer in place of metol. It costs 42*s.* per lb., in bulk.

SACCHARIN TABLETS delivered in time for the Christmas holidays is the subject of the advertisement, in the Coloured Supplement, of Jules Denoual & Co., Carlton Works, Asylum Road, London, S.E. 15.

"4 MEDAL" PERFUMES.—H. E. Stevenson & Co., manufacturing chemists, 122 Great Suffolk Street, London, S.E., offer twenty-five varieties of the "4 Medal" brand of one-drop alcohol-free perfumes.

WRIGHT'S COAL-TAR SOAP is now advanced to 5*d.* per tablet, this announcement having been made to the trade in the advertisement in the Coloured Supplement last week. In the present issue Wright, Layman & Umney, Ltd., the proprietors of the soap, show by examples that the rate of profit for the retailer has been maintained. The advertisement is a study in profit percentages.

SOAP PATENTS.—Edward Cook & Co., Ltd., The Soapery, Bow, London, E. 3, remind us that many of their soaps are packed in an attractive form so as to be especially suited as Christmas and New Year gifts. The Throne toilet-soap, Violet Cream soap, and Golden Gleam soap are packed three tablets in a box, the first two kinds being wrapped tablets. The Cambath skin-soap and olive-oil soap tablets are attractively wrapped, and, as presents, have the advantage of presenting a necessary article in a most attractive form. Dorina baby-soap, each cake in a carton, and baby's soap, packed three tablets in a box, are for baby, and the Solace shaving-stick for its father and big brothers. The company is sending out this year a useful pocket memorandum-book, with calendar and information on postal rates.

CHRISTMAS AND NEW YEAR GREETINGS have for some years been a feature of the *C. & D.* at this time of the year. It is not desirable that at the present time, when the nation is steeling itself for victory, that it should give way to pessimism. We are glad, therefore, that many of our advertisers have continued the old custom of sending greetings to the trade. The mutual good will which these signify is cheering in itself, and especially so when all stand shoulder to shoulder in the cause of justice and freedom. The following are the business houses who are making these special announcements:

Allen & Hanburys, Ltd.
Allen (Stafford) & Sons, Ltd.
Anzora Perfumery Co.
Baiss Bros. & Co., Ltd.
Berton, Arthur, Ltd.
Bronnley, H., & Co., Ltd.
Burgoyne, Burbidges & Co., Ltd.
Carnegie Bros.
Cook, E., & Co., Ltd.
Cox, A. H., & Co., Ltd.
Daisy, Ltd.
Duncan, Flockhart & Co.
Erasmic Co., Ltd.
Eucryl, Ltd.
Evans Sons Lescher & Webb, Ltd.
Goodall, Backhouse & Co.
Greeff, R. W., & Co.
Harley, T.
Henry, T. & W.
Howards & Sons, Ltd.
Idris & Co., Ltd.
Liverpool School of Pharmacy.
Lysol, Ltd.
Maw, S., Son & Sons, Ltd.
May, Roberts & Co., Ltd.
Mitchell, N. W., & Sons, Ltd.
Orridge & Co.
Paine & Co., Ltd.
Potter & Clarke, Ltd.
Ransom, Wm., & Son, Ltd.
Red Band Chemical Co.
Reuter, R. J.
Sangers.
Smith, T. & H., Ltd.
Toogood, W., Ltd.
Tyrer, T., & Co., Ltd.

Information Department.

INFORMATION WANTED.

215/71. Eucalyptus cigarettes: makers.
216/52. Nelson's "Toe-ease."
217/35. Ipsol soap.

INFORMATION SUPPLIED.

Atomisers for scent, 172/48
Baines' dielectric oil, 216/9
Ethylmorphine hydrochloride, 186/37
Grinding machinery, 203/49
"Novol" disinfectant, 171/73
"Opolayxl" tablets, 186/20
Yellow ochre, 182/22
"Zon Vac" vacuum flask, 206/6

Observations and Reflections.

By Xrayser II.

Your List of War Regulations

affecting pharmacy is a great boon to your readers, and will be invaluable for reference. I am perhaps, for obvious reasons, as careful a reader of the *C. & D.* as anybody, but this list has been something of an eye-opener to me. I had not realised the extent to which we are being "regulated," but there is nothing in your list which every pharmacist does not need to keep constantly in mind.

The Secretary of the C.D.A.

has been informed by the Chief Inspector of Foods that the prosecution of pharmacists for making up medicines (and, I presume, for retailing them) in accordance with the War Emergency Formulary is "unlikely," and he appears to be satisfied with this assurance. I confess that I am not. Likelihood and unlikelihood are very uncertain elements, and I put no trust in them; there ought to be no question, no possibility of prosecution. Proceedings under the Sale of Food and Drugs Act that were from the point of view of commonsense or common justice quite as unlikely as these would be have often been undertaken against us, and with no better guarantee than this we are in a precarious position. If the C.D.A. can obtain no better assurance, the Pharmaceutical Society, that is so largely responsible for this Formulary, ought at once to take the matter up, and not rest until we have a binding official declaration of immunity. Until we are thus safeguarded we shall be foolish indeed not to make as full use as possible of such stocks of the superseded articles as we may have, which is, I suppose, not the object the L.G.B. has in view. It is curious that the Chemists' Defence Association places so much trust in what an official at the Local Government Board tells its Secretary, seeing that it is local authorities that initiate prosecutions. It will be an interesting case when the C.D.A. undertakes the defence of a chemist whom the Association has invited to break the law.

The Defence of the Title "Chemist"

by every means in its power will not, it may be presumed, be neglected by the Society after all the agitation raised around it by your series of articles on the subject. It is fortunate that we cannot be robbed of the title without an Act of Parliament, for the Society's zeal in its defence was somewhat tardy, and its position as defender is a little prejudiced by its preference for the title of pharmaceutical chemist. I am afraid that this preference was due (if I may be allowed a verbal anachronism) to pure swank. Anybody in olden times could call himself a chemist and druggist, and the former of these terms had been soiled by current usage, whereas "Pharmaceutical Chemist" was comparatively new, a little vague in connotation, and a good mouth-filling thing, almost equal in effect to "that blessed word, Mesopotamia." But see how the whirligig of time brings in its revenges! "Chemist" has advanced, and "Pharmaceutical" has declined until it is almost negligible. Of course, by right, every member of the Pharmaceutical Society ought to be, as originally he was, a pharmaceutical chemist. Otherwise, *Que diable allait-il faire dans cette galère?* But our Great Ones would not have it so, and it is in their despite that our inferior title proves the sheet-anchor of our privileges, such as they are.

What Mr. Deakin Meant

by saying at Leeds that "the original fault in the Charter was the failure to make absolute the reservation to chemists of all compounding and dispensing of prescriptions" I cannot imagine; prescriptions are never mentioned in the Charter, and the idea of the reservation of dispensing to chemists never entered the heads of its framers, or, I may say, of the chemists who asked for it. There would have been no Charter at all if it had been suspected by the physicians of the time that the Pharmaceutical Society entertained any such notion. As it was, the Charter added nothing to the legal power of the Society, and was not framed for that purpose. It simply sanctioned and confirmed the Society's powers, and it did this in such a way as to restrict rather than extend them. It is well to bear these facts in mind in thinking of "reconstruction," and to remember, too, that precisely the same difficulties face us now in the jealousy of the profession for its prerogatives as faced the founders of the Society. We shall never secure the exclusive right to dispense without the consent of the faculty, and that is virtually as far off as ever.

"Pharmaceutical Ginger"

of approved quality and pungency can be had at any time from the Progressive Pharmacy Club, either as "sorts"—that is to say, as a general stimulant of mixed quality for various uses—or graded as Administrative Ginger, Reconstruction Ginger, etc., etc. Sample packets of different varieties are issued to non-members of the Club from time to time in half-crown lots, but to ensure regular and continuous supply membership is desirable. The Club is a far better source of this commodity than individual chemists, who, though many of them profess to deal in it, are, I find, frequently out of stock. Even the variety known as "Macksims," which was for a good while the leading line in this class of goods, has declined a little of late, both in the quantity offered and in flavour.

"Cocaine"

is, of course, a word of three syllables, and I am surprised to hear that in Birmingham it is thought necessary to protest against the vulgarism of reducing it to a word of two only. It is, however, quite possible to give it three syllables and yet mispronounce it; in fact, it is very frequently done. According to the late Sir James Murray, the accent should fall on the *o* of the first syllable, which is long; the *a* of the second syllable is short, and has the sound of *e* in *yet*; the *i* in the final syllable is the long open *i* of *bind*. I confess I do not remember to have heard it so pronounced by anybody. *Cocaine* is usually made to rhyme with *quinine*, as the latter is pronounced with us, not as in America, where, I believe, the open *i* prevails in both syllables of this word. Perhaps the amateur American philologist who said that anybody but a fool could either spell or pronounce any word in more ways than one was not far astray.

Brass Mortars

and pestles are in Germany to go the way of church bells by being used for munitions of war, for although no order to this effect has yet been issued an appeal is being made to apothekers to surrender them voluntarily. Mortar is, of course, already a military term, but from the one kind of mortar to the other is a considerable step. The military mortar is supposed to have been so called on account of its shape. This use of the term originated in France; in English these pieces of ordnance were at first called mortar-pieces. A more humane variety is the life-mortar used for throwing rockets and lines to distressed ships. There was a curious punishment for scolds, brawlers, and other disorderly persons, called "bearing the mortar," in use for several centuries. The offender had to perambulate the town with a mortar about his neck, and a paid official walked before him (or her, for the voluble sex appears to have been peculiarly liable to this penance) ringing a metal basin to advertise the show. Wooden mortars were also put to a similar use, these being carried on the shoulder by means of a broom-handle. The punishment of the mortar in the East consisted of "braying" the culprit in a huge mortar; if my memory may be trusted, it is introduced in some of the stories in the "Arabian Nights." There is no ascertained connection between this and the figurative braying of a fool in a mortar, nor (I trust) is there any between apothecaries (or their wives) and the afore-mentioned punishment of scolds and brawlers.

Peroxide of Hydrogen
(H_2O_2)
KINGZETT'S PRESERVED QUALITY.
INVALUABLE
1. As a wash for wounds, ulcers and sores.
2. For use in midwifery cases.
3. As a gargle in cases of sore throats.
4. As a mouth-wash.
5. For application in cases of bites from venomous insects.
6. For removing fruit stains from linen.
7. As an air purifier (by spray), &c.

SOLD IN 10 VOLUMES STRENGTH, AND PUT UP IN
16-oz. bottles, retailing at 1/6 each.
8 " " 1/- "
4 " " 9d. "
Also in Bulk.
Trade Prices and Leaflet on application.
The "SANITAS" Co., Ltd., Limehouse, London, E. 14.

BRITISH ABSOLUTE ALCOHOL
Jas. Burrough Ltd. D.I. Cale Distillery, Hutton Rd., LAMBETH, S.E. 11

Fletchers' Concentrated Liquors
offer a perfect alternative to the discarded B.P. Tinctures and Syrups.
FLETCHER, FLETCHER & Co., Ltd., HOLLOWAY, LONDON, N.

Editorial Articles.

Our Fiftieth Diary.

"It seems somewhat singular that an important trade like that of the chemist and druggist should have remained so long without a special almanack. The present attempt to supply this want has been greatly aided by the advice and assistance of numerous friends, to whom the Editor wishes to offer his best thanks."

It was thus fifty years ago we introduced the first Chemist and Druggist Diary to the drug-trade. The Diary which our subscribers received in 1869 was a small cloth-covered book of 130 pages, measuring 7 in. by 5 in. The size was enlarged in 1871 and 1872, and acquired in the last-mentioned year the same dimensions as the page of The Chemist and Druggist, which it has since retained. The present issue of The Chemist and Druggist Diary is noticeable for several reasons. The one probably which will first attract the attention of our subscribers is the difference in form which has been adopted this year. As is well understood, this is a direct result of the regulations of the Royal Commission on Paper, issued early in 1917, which limit the amount of paper that periodicals may use compared with the weight previously employed. The Order has been issued in the national interests with a view of conserving tonnage, and we willingly submit to it, endeavouring at the same time to produce a Diary useful to our subscribers and the best possible in the circumstances. It is interesting to note that the Trade Directory of the first issue was the germ idea of the long list of business houses with which the present volume commences. This now consists of a Directory of drug-trade business houses with telegraphic addresses and telephone numbers, and cannot fail to be useful for constant reference throughout the year. The Buyers' Guide, which follows the Directory, has been a feature of the annual issue for a long time. This year, however, the Buyers' Guide, owing to the omission of advertisements, has been compiled in a new way. The method has been designed so as to give a free hand to business houses, whilst resulting in a compilation of the greatest value to those who desire to acquaint themselves with the various sources of supplies of drugs, chemicals, pharmaceutical preparations, proprietary articles, druggists' sundries, and the goods required for the various auxiliary trades carried on by chemists and druggists. The present issue of the Buyers' Guide is the most complete that has ever been placed before the drug-trade. The compilation has entailed a very large amount of labour, but it is hoped that the result will be a Guide of the maximum benefit to our subscribers. In regard to the literary contents of the present *Diary* we have tried, in the constricted space allowed us by the Paper Commissioners, to give authentic information on subjects of present interest to the drug-trade. On this account legislation arising out of the war has received special attention. The utility of the list of prohibited imports and exports and of contraband of war, together with the interpretations of the Department of Import Restrictions, will be appreciated by the export sections of business houses. The relative cost of drugs and chemicals at different periods of the war, which we have drawn up from our own records, will be valuable to students of commerce who follow the trend of the world's markets. The list of chemical companies formed since the outbreak of war should do something to convince pessimists that this country is not commercially stagnant despite the enormous difficulties which business men have to overcome. The formulæ included in this volume are exceptionally varied, and number over two hundred. The frequent requests which we receive for the formulæ for the medicaments employed in the modern treatment of wounds suggested to us the desirability of bringing these recipes together in the form of a Military Hospitals Formulary. The idea of the Chemists' Calendar was derived from the botanical calendars which are found in old herbals. The large number of seasonable formulæ embodied in the Chemists' Calendar includes many which have not previously been published, and will be found useful in every chemist's business in the British Empire. The list of "C.L." mixtures is drawn up in stock quantities, but according to a recent indication of the National Insurance Commissioners the glycerin can be omitted from the formula for liq. ferri et strychninæ. The full text of the Venereal Disease Act and the list of preparations withdrawn from the British Pharmacopœia, 1914, will also be found useful for reference. The necessity imposed upon us by war conditions of going to press with the *Diary* some months ago would, we had thought, imperil the accuracy of some of the information in the volume. This has, however, only been the case in one important matter—*i.e.*, the Cocaine and Opium Regulation on page 75. An amendment of this regulation was issued on October 26, and is given in The Chemist and Druggist, November 3, p. 34, the alteration being in Sub-Sections 7 and 8. An error has crept into the article dealing with table-water duties, on p. 92. We shall be glad if subscribers will alter the word "includes" to "excludes" in the twenty-fifth line from the bottom of the second column.

Copies of the *Diary* have been sent to all our subscribers, who should have received them by the time this copy of the *C. & D.* is issued. If any of the copies miscarry, we hope our subscribers will inform us, so that we can rectify the error.

Trade of India.

IN the Annual Blue-book of the overseas trade of India during 1915-16, it is stated that trade has adjusted itself successfully to the new conditions, and a war equilibrium, although an unstable one, has been established. Railway earnings, a valuable indication of the general movement of trade throughout the country, showed an increase of 5 per cent. over the previous year. Another characteristic of the year has been the expansion in export trade, which compared very favourably with a slow recovery in imports. Freights from Calcutta to London were about seven times, and those from Bombay about eleven times, what they were when the war began, and they are much more now. The total sea-borne trade of British India in 1915-16 amounted to 238 millions sterling, against 236 millions in 1914-15 and 327 millions in 1913-14, when the highest figures were attained. These totals include merchandise and treasure, both on private and Government account. The share of the British Empire in the total trade of India was over 60 per cent., and of foreign countries nearly 40 per cent., these figures being approximately on the same level as in 1914-15. Compared with the pre-war year (1913-14) the share of the British Empire improved by nearly 9 per cent. The share of the United Kingdom was in 1915-16 nearly the same as in the previous year—viz., 46.6 per cent. of the total, or an increase of 6 per cent. over the pre-war year 1913-14. The most noticeable change, however, brought about by the war is the advance in the trade with Java, Japan, and the United States, the latter country showing a steady and important advance from 8 per cent. in 1913-14 and 9 per cent. in 1914-15 to 11 per cent. in 1915-16. Japan's share represented nearly 8 per cent. of the total trade, against 6.3 per cent. in 1914-15. Imports into India from Japan increased by 69 per cent., and exports to Japan by nearly 18 per cent., compared with the previous year. Both the United States and Japan have replaced many articles which were formerly obtainable from Continental Europe. The head "Chemicals, Drugs, and Medicines" is one of the few under imports in which an appreciable improvement in value is noticed, the total having increased by 29 per cent. to 1,900,000*l.* "Chemicals" accounted for an increase of 289,000*l.*, and drugs and medicines for one of 135,000*l.*, the total values being respectively 972,000*l.* and 320,000*l.* The following are among the principal items :

	1913–14	1914–15	1915–16
	£	£	£
Chemicals—			
Sodium carbonate	106,000	116,000	157,000
Soda, caustic	58,000	70,000	65,000
Other compounds of soda ...	56,000	75,000	128,000
Sulphur (brimstone)	40,000	42,000	59,000
Bleaching-materials	33,000	33,000	48,000
Aluminous sulphates (including alum)	28,000	26,000	45,000
Acids (other than sulphuric) ...	32,000	27,000	40,000
Ammonia and salts thereof ...	29,000	26,000	37,000
Disinfectants	26,000	27,000	35,000
Carbide of calcium	15,000	13,000	18,000
Cyanide of potassium	23,000	18,000	5,000
Sulphuric acid	37,000	22,000	6,000
Other sorts	194,000	188,000	329,000
Total	677,000	683,000	972,000
Drugs and Medicines—			
Camphor...	96,000	122,000	153,000
Proprietary and patent medicines	176,000	129,000	138,000
Quinine salts	102,000	85,000	110,000
Cassia lignea	72,000	56,000	66,000
Other sorts	334,000	293,000	353,000
Total	780,000	685,000	820,000

The head "Chemicals" includes a large number required by the textile industries. Germany had previously a comparatively large share of the Indian market in these imports, having in the year before the war 12 per cent of the total. Since the outbreak of war, the United Kingdom, Japan, and the United States have been the suppliers to India. About 82 per cent. of the total imports of chemicals was supplied by the United Kingdom, 7 per cent. by Japan, and 3 per cent. by the United States in 1915-16. Japan for the first time exported to India considerable quantities of aluminous sulphates, bleaching-materials, sulphate of iron, and potassium compounds, but there was a marked all-round advance in selling-prices. India is a large consumer of sulphur, which previous to the war was obtainable from Sicily, but Japan has done a largely increased trade, sending 4,251 tons, valued at 22,000*l.*, in 1915-16, while Sicily shipped 8,478 tons, valued at 59,000*l.* Imports of sulphuric acid from the United Kingdom were greatly reduced owing to war restrictions, only 257 tons being imported, against 3,917 tons in the year before the outbreak of war. India is now making her own sulphuric acid on a much larger scale. The majority of medicinal products rose considerably in price—in many cases by 100 per cent. or over during the year. The quinine imports were 1,520,000 oz., against 1,424,000 oz. in 1914-15, the bulk coming from Java and America. No Java bark has been purchased by the Indian Government factories since 1913, and they are drawing on a large reserve created by their purchases of Java bark prior to that year and the acquisition of liberal quantities of quinine in London. Among the chemical exports from India, saltpetre is the chief and the only one of consequence. Belgium and Germany had for many years dominated the saltpetre-market to the exclusion of India, but now the position is quite changed, and 20,702 tons, valued at 459,000*l.*, was exported in 1915-16, about 80 per cent. of which was sent to the United Kingdom for munition-purposes. It need hardly be said that a considerable stimulus has been given to the trade in natural indigo, the total exports increasing by 145 per cent. to 41,942 cwt., which level was last seen in 1904-5. The United Kingdom took 30,572 cwt. (967,000*l.*), against 15,275 cwt. (560,000*l.*), and the United States 5,948 cwt. (245,000*l.*), against 210 cwt. (11,000*l.*) in the previous year. The main features in regard to shellac were higher exports than in any year since 1912-13, with the average declared value falling from 65*s.* 10*d.* to 57*s.* 4*d.* per cwt. India's best customer is still the United States, which took 270,994 cwt., valued at 719,000*l.*, while the United Kingdom acquired 99,492 cwt., valued at 285,000*l.* In regard to export trade generally, one noticeable fact emerges from the review, and that is that many products which formerly went to Germany and Austria-Hungary are now finding profitable markets in the United Kingdom and the United States, and may this long be so.

"The Season's Wishes."

IT is not meet that the fourth war Christmas should pass without a remembrance of the peace and good will which it signifies. It is for the sake of "peace on earth" that the Allies are banded together to destroy the forces of darkness and barbarism. When this is accomplished "good will towards men" will have been placed on a sure foundation. We look forward to victory with a cheerful heart and a determination to win despite all difficulties and sorrow. It is in this spirit that Christmas will be observed this year, waiting for the dawn of a brighter New Year for the races that have endured that civilisation may be preserved.

Soap Profits.

THE paragraph in the *C. & D.* last week regarding the conditions upon which soap is being supplied by manufacturers has been applied by some of our readers in rather an indiscriminate manner. If, for example, owing to the rise in the price of raw materials, the manufacturer is compelled to increase the price of his goods to the retailer, no injustice is caused if the retail price is raised so that the rate of profit is maintained. In the case of proprietary soaps, the price of which is protected by the scheme of the Proprietary Articles Trade Association, an increase in the retail price must be made when the wholesale price is raised, or the definite rate of profit provided by the P.A.T.A. method would not be maintained. "The troubles of the retailer at the present time are nothing compared with the difficulties in the wholesale trade," was the gist of a telephone message we received as we were writing this note. That being so, there is all the more reason for the give-and-take spirit which chemists have shown so well in their dealings since the outbreak of the war.

Price-lists Prohibition.

SINCE we called attention in the *C. & D.*, December 8, p. 42, to the possible effect and serious inconvenience which will be caused by the lapse on January 31, of the general licence granted under the Paper Restriction Consolidation Order to circulate trade price-lists, not much alteration in the position has taken place. Sir Richard Cooper has been trying to obtain some information on the point in the House of Commons, and on December 12 he was told that "a new Order dealing with a period after January 31 is under consideration, and will be published at an early date." We have also received the following reply to our inquiry from the Secretary of the Royal Commission on Paper:

"I am to state that legislation regulating the conditions under which advertising matter may be distributed after January 31 will be made public at the earliest possible date; it is hoped not later than the first week in January."

It seems reasonable to hope that the claims for consideration of drug-trade price-lists will be sympathetically received, although the dilatory methods of the Commission are calculated to cause much uncertainty to traders. It is perhaps fair to add that it is the complicated tonnage question which is causing the delay in settling what appears at a cursory glance to be a simple matter. The fact that the Royal Commission on Paper has decided to reduce the imports of paper-making materials, and of printing and writing paper, in the year beginning March 1 next to two-thirds of the tonnage imported in the year ending February 28, 1918, is, however, a clear indication that economy in the use of paper will be necessary. The amount of the imports of boards and wrapping paper will not be reduced. We have been asked in regard to the definition of the word "trader" as employed in the Consolidated Order. No definition is given in the Order, but in the explanatory notes issued by the Royal Commission on Paper in April the word "trader" was thus interpreted:

"A 'trader' who is allowed to send out a catalogue or price-list to other traders is a manufacturer, merchant, dealer, or agent, and the 'trader' to whom he is allowed to send his catalogue or list is any other person who sells or, for the purpose of his trade or profession, uses the goods referred to in the catalogue or price-list."

This is a definition which no one can cavil at, and it may well be continued.

By Order of the Privy Council.

WE reprint in another part of this issue the advertisement from the "London Gazette" in regard to the removal of the veronal group of poisons from Part II. to Part I. of the Poison Schedule. There is some mystery about this alteration, and, so far as we can see, this schedule-tinkering is wholly unnecessary. The effect of scheduling the veronal group on April 14, 1913, was to diminish the sale of these drugs very considerably, and the scarcity of these products occasioned by the war has practically killed their use. No one regrets that these dangerous hypnotics have fallen into disuse, but it would be interesting to know why the present time has been chosen to alter their position in the Poison Schedule. The President of the Pharmaceutical Society, in proposing the statutory resolution at the last meeting of the Council, said:

"The effect of the transfer of these compounds from Part II. to Part I. of the Schedule would be to stop their promiscuous sale as commercial articles and confine it to legitimate channels by medical prescription."

This is essentially an explanation which requires explaining. The statistics of suicide from veronal for the last three years available are as follows: 1913, nine; 1914, twelve; 1915, seven. It cannot be said that these show any alarming increase such as to justify the inclusion in Part I. of the Poison Schedule of a chemical substance administered in doses of 10 grains. The fact seems to be that, instead of the Pharmaceutical Society initiating alterations in the Poison Schedule as contemplated by the Pharmacy Acts, the Privy Council sends its orders to the Pharmaceutical Council and the necessary resolutions are meekly passed forthwith. Who it is that acts as headpiece for the Privy Council—an archaic body which never meets in the ordinary acceptance of the term—we do not know, but the position to which the Pharmaceutical Society has been reduced is humiliating, and forms an excellent reason for the transference of the functions of supervising poison legislation to the proposed Ministry of Health. In the meantime, chemists should note that *on and after January 14* the veronal group of poisons can only be sold with the precautions laid down for sale of Part I. poisons.

Conserving Key Industries.

THE discussion in the House of Commons on the Non-Ferrous Metal Industry Bill is instructive in view of the fact that it is not unlikely that some such method as that adopted in the Bill may later on be proposed for conserving the fine-chemical industry which has so largely expanded since the outbreak of war. The President of the Board of Trade explained the vitally important position in peace and in war of the non-ferrous metals, especially spelter, lead, nickel, copper, aluminium, and tin, and the necessity in the interests of this country that these metals should be free from any enemy control. The world's markets in 1914 were mainly controlled by Germans, and the purpose of the Non-Ferrous Metal Industry Bill is to eliminate German influence upon metal-dealing in this country. The Bill provides that during the war and for a period of five years after the war it shall not be lawful for any company, firm, or individual to carry on the business of extracting, smelting, dressing, refining, or dealing by way of wholesale trade in metal or metallic ore to which the Act applies, except under licence. It also provides that any company, firm, or individual carrying on or proposing to carry on such business shall on making application in the prescribed manner and on furnishing certain information and on payment of the prescribed fee, provided they do not come within the conditions set forth in the schedule of the Bill, be entitled as a right to a licence. It follows, therefore, that anybody who does not come within the provisions of the schedule attached to the Bill will automatically be entitled to a licence to trade in these metals. As regards those who do come within the conditions of the Schedule, the licensing authority will review their application for a licence and will use their discretion about issuing one. These licences, according to the Bill, are renewable annually. The conditions in the schedule are such as are calculated to eliminate alien influence in metal-dealing in this country, but how far the methods of the Bill are applicable to chemical industry cannot yet be gauged.

Foreign Trade in November.

THE Board of Trade Returns for November show that the imports are the highest on record, being 109,789,023*l.*, or almost twenty millions more than in November last year. The exports, which were valued at 43,382,335*l.*, are 894,081*l.* better than in November 1916, while the re-exports fell from 7,136,780*l.* to 3,749,480*l.* The chemical and drug imports were valued at 2,806,139*l.*, an increase of 1,019,634*l.*, part of this being due to much larger receipts of acetic acid, brimstone, saltpetre, quinine, and myrabolans. Much larger imports of unenumerated chemicals (including acetate of lime, acetone, muriate of ammonia, and sulphuric acid) are also reported, the figures being 939,512*l.*, against 470,250*l.* The receipts of quinine for the month were 845,767 oz., against 273,299 oz., and for the eleven months of the year we have imported 4,575,749 oz., or 1,253,604 oz. more. On the export side there was a decline of 459,260*l.* in our export of chemicals, drugs, and the like, the figures being 2,135,814*l.* Medicines, comprising drugs and medicinal preparations, account for a substantial portion of the decline, being valued at 249,139*l.*, or 161,055*l.* less than in November last year. This points to a severe cutting-down of export licences, and this is reflected in quinine, of which only 41,130 oz. was released. The soda-compound group show exports of 407,654 cwt., which is very satisfactory, and there was an expansion in the shipments of tartaric acid to 2,023 cwt. Copper sulphate, too, shows a decided improvement at 6,806 tons.

Pharmaceutical Society of Ireland.

Council-meeting.

THE MONTHLY MEETING of the Council of the Pharmaceutical Society of Ireland was held at 67 Lower Mount Street, Dublin, on December 11, Mr. James Michie, President of the Society, presiding. The following members of the Council were also present: Dr. J. A. Walsh, Dr. A. J. Barnes, Messrs. J. E. Connor, J.P. (Vice-President), G. D. Beggs, J.P. (Hon. Treasurer), W. F. Wells, A. Owen Wells, Wm. Doig, Wm. J. Hardy, Wm. Hanna, Joseph H. Bowden, James Tate, R. Blair, Thos. N. Moffitt, John Smith, D. M. Watson, G. A. McLean Lee, and Victor E. Hanna.

THE PRELIMINARY EXAMINATION.

The REGISTRAR (Mr. A. T. Ferrall) read a letter from the Clerk of the Council, Dublin Castle, stating:

"Referring to your letter of 10th inst. and previous correspondence relative to proposed amendments of the Regulations for the Preliminary examination of the Pharmaceutical Society of Ireland, I am directed by the Lords Justices to state that the Committee of the Privy Council, which has had under consideration the resolution submitted by you on the 22nd February last, is not prepared to recommend the amendment as therein made for the approval of their Excellencies in Council. The Committee concurs in the proposal to attach to the examinations of the Intermediate Education Board, for the purpose of these Regulations, the qualification 'all the subjects having been passed at one time,' but is also of opinion that this qualification should not be withdrawn from other examinations which may be deemed by the Council of your Society as equivalent to the Preliminary examination. I am to inquire if your Council will consider the desirability of passing a resolution in favour of an amendment modified so as to meet this point."

The PRESIDENT said the resolution adopted by the Council in the early part of the year had been sent forward to Dublin Castle for consent, and they had not received a reply until now. This communication practically left them as they had been before.

Mr. W. F. WELLS proposed the following resolution on the subject:

"That the resolution of February 13, 1917, be rescinded and the following adopted in lieu:

That the regulation dealing with the acceptance of Preliminary examinations held by other bodies (*vide* Calendar, 1917, pages 97 and 98) be rescinded, and the following substituted therefor:

The following examinations are also accepted:

The Matriculation or Preliminary examination of the University of Dublin, Public Entrance examination (large certificate), the National University of Ireland Matriculation examination, the Queen's University of Belfast Matriculation examination, the Royal Colleges of Physicians and Surgeons, Ireland, Preliminary examination;

The Intermediate Education Board for Ireland, Junior, Middle, or Senior Grade examinations in the following subjects:

English, Latin, arithmetic, algebra, geometry, and one of the following subjects:

Greek or a modern language;

or such other examination as shall be deemed by the Pharmaceutical Council as equivalent thereto, all the subjects having been passed at one time. Provided that every certificate accepted shall include Latin as one of its subjects. Any such examination to be passed prior to the statutory service at pharmacy, unless such service has been commenced before January 1, 1907. The usual fee of two guineas to be paid."

Mr. Wells said there is not much in what the Castle asked them to do, and he did not think there would be any question that they should do it. At least one of the Colleges whose certificate they had accepted had taken Latin out of its examination. The Pharmaceutical Society ought to insist upon Latin being in any certificate they accepted, and hence the proviso in his resolution.

Mr. BOWDEN seconded the resolution.

Mr. SMITH said the National University allowed a student who was short in one subject in the Senior Grade Intermediate Board examination to present himself at a special examination in that subject, and if he passed he was admitted to Matriculation. According to their old regulation the Pharmaceutical Society were not able to accept such a Matriculation certificate, and the regulation was altered for the purpose of enabling them to accept such certificates. The Royal Colleges of Physicians and Surgeons, too, did not require their students to pass their examination at one sitting. They received the option of a second examination if they failed in one subject. He considered the Pharmaceutical Society should be at liberty to accept such certificates.

Mr. WATSON asked what was the meaning of the words in the letter from the Castle, "equivalent to the Preliminary examination." They ought to be quite clear as to what the Castle meant.

The PRESIDENT said he did not think the Castle meant to include the examinations of the National University and of the Royal Colleges of Physicians and Surgeons among those in reference to which all the subjects should be passed at one time.

Mr. W. F. WELLS said he thought they ought to be consistent. If they allowed the Universities to take piecemeal work they should also allow it in connection with their own examinations. In their regulations they did not accept the Preliminary examination of the Pharmaceutical Society of Great Britain.

The VICE-PRESIDENT asked if they took divided certificates from the National University why they should not take them from other bodies, such as the Intermediate Board?

The PRESIDENT: The Castle state that they do not agree to these piecemeal examinations.

After some further discussion the resolution proposed by Mr. Wells was passed unanimously.

CHANGES OF ADDRESS.

Communications were received from the following notifying changes in their addresses:

Mr. James J. Bolger, Ph.C., to 12 Tullow Street, Carlow; Mr. Samuel Dale, Ph.C., to No. 1 Ebrington Terrace, Waterside, Derry; Mr. Thos. E. Dixon, Ph.C., to 2 Milton Street, Ashfield, Sydney, N.S.W.; Mr. Robert W. Hayes, Ph.C., to New Street, Portumna; Mr. D. McCarthy, Ph.C., to 8 Friar Street, Youghal, co. Cork; Mr. T. J. McSweeney, Ph.C., to Kerr's Medical Hall, Tubbercurry; Mr. Wm. J. Maxwell, Ph.C., to Hayes, Conyngham & Robinson's Medical Hall, 112 Upper George's Street, Kingstown; Mr. Wm. Cummins, Ph.C., to the Modern Pharmacy, Mitchelstown, co. Cork; Mr. W. R. S. Gilbert, Ph.C., to the Medical Hall and Pharmacy, Manorhamilton, co. Leitrim; Mr. J. H. Cunningham, R.D., of the Crescent, Dungannon, co. Tyrone, lately with Parkes' Drug Stores, Ltd., London, and formerly with Dobbins, Ltd., North Street, Belfast, who has joined the R.A.M.C. as a dispenser; Mr. H. Menagh, R.D., to c/o Vipond Fruit Co., Ltd., Winnipeg, Canada; and Mr. George B. Hoey, R.D., to 49 Highfield Road, Rathgar, Dublin.

PRELIMINARY REGISTRATION.

Mr. John F. Mason and Mr. James Nicholson, who submitted certificates of other bodies, were admitted to Preliminary registration.

REPORTS FROM COMMITTEES.

Reports from the Law Committee and the House Committee were considered and adopted.

THANKS FOR DONATIONS.

On the motion of Mr. MCLEAN LEE, seconded by Mr. VICTOR E. HANNA, a resolution was passed expressing thanks of donations from Mr. F. H. Froedman, M.P.S.I., of a copy of a Russian Pharmacopœia and Prescription Tax, and from the British Pharmaceutical Conference of a copy of the "Year-book," 1917.

WAR BONUS TO THE REGISTRAR.

The PRESIDENT proposed that the sum of 20*l.* be granted to the Registrar as a war bonus. He said that twelve months ago a similar bonus had been unanimously granted to the Registrar, and the reason given at that time was that the cost of living had increased so very much. Owing to the continuation of the war the conditions in that respect had not improved; and, having regard to the long and able services of Mr. Ferrall, he thought it would be the wish of the Council that the war bonus should be granted to him for another year.

Mr. BOWDEN seconded the resolution, which was passed unanimously.

The REGISTRAR, who was warmly applauded, expressed his thanks to the Council.

ELECTION OF MEMBERS.

The following were elected to membership:

Mr. George C. Hewson, Ph.C., Ballina, co. Mayo; Mr. Hugh M. Kelly, Ph.C., Santa Barbara, Queenstown; Mr. James McCaughey, Ph.C., Aughnadore, Broughshane, Ballymena; Mr. Charles R. O'Carroll, Ph.C., the Medical Hall, 26 Main Street, Gorey; Mr. James F. O'Hara, Ph.C., Ballinakill, Queen's County; Mr. Eustace H. Webb, Ph.C., Hadden's Medical Hall, Wexford; and Dr. Henry Hunt, Ph.C., Eglinton, 19 Rathgar Road.

NOMINATIONS FOR MEMBERSHIP.

The following were nominated for membership:

Mr. Matthew McDonald, Ph.C., 122 Donegall Street, Belfast; Mr. Hugh Crail, Ph.C., Sinclair's Buildings, Ballyhackamore, Belfast; and Dr. James Edward Savage, Ph.C., Bank Buildings, Castlewellan, co. Down.

EXAMINER APPOINTED.

Dr. Henry Hunt, L.R.C.P.S.I., Ph.C., Eglinton, 19 Rathgar Road, co. Dublin, was appointed an examiner to conduct the materia medica and botany division of the Pharmaceutical Licence examination.

APPEAL FOR REDUCTION OF FINE.

The REGISTRAR read a communication from the Under-Secretary, Dublin Castle, intimating that in the case of Charles McFadden, of Falcarragh, co. Donegal, a publican, who had been fined 5*l*., with costs, for selling carbolic acid, the Lords Justices had decided that the law must take its course.

RECOGNITION OF TECHNICAL-SCHOOL CLASSES.

The REGISTRAR submitted communications from Mr. P. J. Reilly, Principal and Secretary of the Central Technical Institute, Clonmel, applying for recognition of their classes in chemistry. It was stated that several chemists' assistants were attending the classes, which were being conducted by Mr. Philip O'Connell, M.Sc., who had graduated in chemistry and physics.

On the motion of Mr. SMITH, seconded by Mr. BARNES, it was resolved that the application of the Institute for recognition of the course of instruction in theoretical chemistry be accepted.

PHARMACEUTICAL CHEMISTS AS WITNESSES.

Mr. Patrick J. Hickey, M.P.S.I., of the Modern Pharmacy, Rathkeale, co. Limerick, wrote stating that he had been summoned as a Crown witness in a case heard at the Rathkeale Quarter Sessions, that he had to close his medical hall from 10 A.M. until 1.45 P.M., that he sent in a bill for 1*l*. 1*s*. for his attendance in court, and that he had received a paying sheet for 7*s*. 6*d*. He considered this inadequate. The doctor engaged in the same case received an attendance-fee of 2*l*. 2*s*. He trusted the Council would endeavour to make these Government officials think something more of pharmaceutical chemists.

The VICE-PRESIDENT: We should agitate to have the list revised so that pharmaceutical chemists should be put on the same footing as other professional men.

Mr. W. F. WELLS: I think we ought to approach the Castle on the subject.

It was decided to take steps in the direction indicated.

A GOLD MEDALLIST.

The REGISTRAR submitted a letter from Mr. Thomas Byrne, of Tullow, co. Carlow, acknowledging the receipt of the Gold Medal awarded to his brother, Mr. Wm. C. Byrne, Ph.C., who has gone to Ceylon, and who expressed the wish that the medal should be sent to his brother.

Pharmaceutical Society of Cape Colony.

A GENERAL MEETING of the Pharmaceutical Society of the Cape Province was held in the Society's room, Darling Street, Cape Town, on October 18. Mr. D. L. Petrie (President) was in the chair, and the following members were present: Messrs. G. Cleghorn, J. Cooper, J. Sloan, H. Greening, T. Hughes, R. Oxenham, H. Ferguson, G. Smith-Houghton, S. Hill, W. Froembling, J. Sowden, Tothill, and C. Spruce. After the minutes of the last meeting had been confirmed, the new Medical and Pharmacy Bill was again discussed. A few new points were raised, and it was decided, on the proposal of Mr. H. Ferguson, seconded by Mr. Smith-Houghton, that the Council of the Society be empowered to take action to bring several recommendations before the authorities in good time before Parliament meets. These recommendations included a suggestion for a separate Secretary to be appointed to each of the two Boards (Medical and Pharmacy) instead of the dual Secretaryship proposed in the draft Bill; the necessity of safeguarding the title "chemist"; and a proposal that the life of the Pharmacy Board should be three instead of five years was also recommended. Owing to abnormal conditions the expenditure of the Society has exceeded the revenue during the current year, and the Hon. Treasurer was authorised to draw on interest accumulated from funds in hand, which has not hitherto been used for such purpose. It was hoped that next year it will be possible to balance expenditure by regular income. Mr. G. Cleghorn gave notice, under Rule 52, that he will move at the next general meeting "That Rule 6 be deleted." Much regret was expressed at the absence of Mr. J. Austin Thomas through illness, and the Secretary was asked to convey the sympathy of the Society, especially regretting that his illness necessitates his leaving the Cape Peninsula. The Society loses an old and very valued member.

MOST people in the Allied countries, who realise that the Allies effectively control the bulk of the world's supplies of raw materials, are of opinion that the Allies should, after the war, utilise this advantage to meet their own requirements first.—*Nature*.

The Veronal Group of Poisons.

THE following official advertisement regarding the removal of the veronal group of poisons to Part I. of the Poison Schedule appeared in the "London Gazette," December 14:

At the *Council Chamber, Whitehall*, the 11th day of *December*, 1917.

By the Lords of His Majesty's Most Honourable Privy Council.

PRESENT.

Lord President.
Duke of Northumberland.
Mr. Hayes Fisher.

WHEREAS by Section 2 of the Pharmacy Act, 1868, it is enacted that the several Articles named or described in the Schedule (A) to that Act shall be deemed Poisons within the meaning of that Act, and that the Council of the Pharmaceutical Society of Great Britain may, from time to time, by Resolution, declare that any Article in such Resolution named ought to be deemed a Poison within the meaning of that Act, and that thereupon the said Society shall submit the same for the approval of the Privy Council; and that if such approval shall be given, then such Resolution and approval shall be advertised in the London Gazette; and, on the expiration of one month from such advertisement, the Article named in such Resolution shall be deemed to be a Poison within the meaning of that Act:

And whereas by Section 1 of the Poisons and Pharmacy Act, 1908, it is enacted that Schedule (A) to the Pharmacy Act, 1868, be repealed, and the Schedule to the Poisons and Pharmacy Act, 1908, substituted therefor, and that the said last-named Schedule may be amended by (amongst other things) transferring any Article from one part of the same to the other in the manner provided by Section 2 of the Pharmacy Act, 1868:

And whereas the Council of the Pharmaceutical Society of Great Britain did, on the 5th day of December, 1917, by virtue and in exercise of the powers vested in them by the Pharmacy Act, 1868, as amended by the Poisons and Pharmacy Act, 1908, resolve and declare as follows:—

"That the Schedule to the Poisons and Pharmacy Act, 1908, be amended by transferring the following Articles from Part 2 thereof to Part 1 thereof:—

Diethyl-Barbituric Acid, and other alkyl, aryl, or metallic derivatives of barbituric acid, whether described as veronal, proponal, medinal, or by any other trade name, mark, or designation; and all poisonous urethanes and ureides."

And whereas the said Society have submitted their Resolution for the approval of the Privy Council, and the Lords of the Privy Council are of opinion that the said Resolution should be approved:

Now, therefore, Their Lordships are hereby pleased to signify their approval of the said Resolution.

Almeric FitzRoy.

Tales of Oenophus.

When Clubbes were Trumppes.

NOW it is recorded in ye Chronicles of Ricardus ye Scribe that in ye Elder Days ye Nobles were wont to foregather with ye Courtiers and Dependents of Bluhmsbré (from time to time) to make merry with Wine and Song. This gatheryngc yclept Ye Farmazee Clubbe was of the true Selectissima Loyala, but Rumour hath it that it was deadly in Boredom.

So it perishéd like a Snowflake in ye Sommertyme.

But it came to pass that, in Other Years, Dyvers Persons of ye Craft, heedless of ye Perishers, dared to Speak and to Do. And Certain of These likewise foregathered for Song and for Dance and for Solemn Talk. But ye Nobles lookt askance, making mock, and were sore vext. And when ye Renegades unfurled a banner with ye motto "Pro Ga Ressive Farmazee Clubbe," there was much Evil Humour.

"For that," quoth ye Scholarly Overlord, "is ye Bluhmin Limmit!"

Whereat ye Selectissima forthwith sett themselves to a Resurrection of Clubbes, and clamoured for ye Faithful to Fall In. But Recruits were Coy, for Live Men love not Boredom.

A SOUND AND THOROUGH TRAINING in the principles of business and finance should not be the monopoly of a privileged class of pupils who enter special courses, but should be made available, and indeed compulsory, for every boy and girl who attends a secondary school, and may then go on to the university.—*Nature*.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Blackburn.—The panel chemists have accepted the Tariff for 1918. Chemists' accounts for August amounted to 248*l*. The scripts numbered 8,639, showing an average cost of 6.88*d*. per script. Mr. J. H. Smith, 76 Copy Nook, and Mr. H. Beswick, 98 Audley Range, have joined the chemists' panel, and Morphew, Ltd., 121 Moss Street, have resigned therefrom.

Devon.—The Insurance Committee met at the Castle of Exeter on December 3. Mr. P. F. Rowsell, chemist and druggist, presided, and in his opening address referred to the Insurance Acts Amendment Bill, stating that he had obtained promises of support for the Bill from all the county's representatives in Parliament. He further alluded to the proposed Ministry of Public Health, and was inclined to think that before long a Bill will be introduced into Parliament dealing with the matter. The report of the delegates to the annual meeting of the National Association of Insurance Committees was received, and Mrs. Daymond added that there was a much higher tone about the proceedings than had existed before.

Grimsby.—At the monthly meeting of the Grimsby Pharmacists' Association on December 10, it was reported that a deputation of Grimsby chemists had interviewed Mr. Chapman, Clerk to the Grimsby Insurance Committee, in regard to obtaining payment of the sums found to be due to chemists on the checking of prescriptions. Mr. Chapman received the deputation sympathetically and laid the matter before the Commissioners, and it was stated that the Insurance Committee has since received an assurance from the Commissioners that this grievance shall be remedied in future.

Hampshire.—A meeting of the Pharmaceutical Committee was held at Winchester on December 12. Mr. S. G. Bartlett (the Chairman) reported that the resolution relating to the rural area question proposed by their representative at the last meeting of the Insurance Committee had been referred to the Medical Benefit Sub-Committee and Panel Committee for their report. The report of the Central Checking Bureau relating to the prescriptions for the months May to August was received and approved. The Chairman further reported that he had written to every panel chemist advising him to continue his service during 1918. A copy of the Pharmaceutical Codex Addendum had been sent to every chemist on the panel. The action of the Chairman was approved. Mr. Baker, the Committee's representative on the Insurance Committee, resigned that position owing to increased demands on his time, and Mr. Bartlett was unanimously nominated to fill the post. A hearty vote of thanks was passed to Mr. Baker for his services during the three years that he had served on the Insurance Committee.

London Co.—The Pharmaceutical Committee met at Bank Chambers, High Holborn, W.C., on December 11, Mr. G. W. Hatfield presiding. A report of the London Conference was received, as was one from the Central Checking Bureau which showed that the margin of error in prescription-pricing for August was 0.21 per cent. The Secretary reported that the early accounts for September showed a total of 267,077 prescriptions dispensed at a cost of 6,576*l*., averaging 5.91*d*. per prescription, the average for the nine months ended September being 5.56*d*. A discussion arose on the London Insurance Committee's new prescription form, and the Secretary was instructed to communicate with the Insurance Committee on the subject.

Middlesex.—A meeting of the Pharmaceutical Committee was held on December 5, Mr. H. E. Clement presiding. The Secretary reported on the position with regard to the question of methylated preparations, and stated that any Middlesex chemist who could prove that he had recently supplied rectified liniments and only been paid for the methylated liniments should apply to him to have the matter made good. The dispensing terms for 1918 were then discussed, and satisfaction was expressed that these were better than the unsatisfactory terms proposed by the Local Associations Executive. At the same time, it was shown that a further addition of 0.45*d*. per prescription would be required to make the Commissioners' terms equal to those which prevailed during 1915. The Supervisor's report showed that the September scripts sent in for payment numbered 47,998 and represented 56,736 prescriptions, at an average cost of 7.24*d*. per script and 6.13*d*. per prescription. Reassessment figures for the second quarter of 1917 gave a result almost identical with that for the first quarter, and the figures for the six months showed that an addition of 11.24 per cent. would have been required to bring the payments up to the 1915 level. Copies of the annual report were submitted by the Secretary, and the report was ordered to be circulated.

Sheffield.—As surprise has frequently been expressed lately regarding the small number of prescriptions presented for dispensing, the following figures may prove interesting, and will afford means of a general comparison with individual work:

	Number of Scripts	Amount of Accounts £	s.	d.
April	36,556	918	11	9
May	31,460	790	16	3
June	28,879	721	7	10
July	28,098	711	11	10
August	24,997	640	1	7
September	26,614	702	0	3
October	30,253	—		

The average cost for the six completed months is 6.15*d*. per script; the average for 1916 was 5.56*d*., and prior to the war 7.89*d*. and 7.56*d*. The number of scripts dispensed in 1914 averaged 42,840 monthly; in 1916 the average was 41,154 per month.—The Pharmaceutical Committee has arranged that for 1918 all Insurance dispensing shall be transferred from the doctor to the chemist in the Higher Wincobank district and beyond the Cemetery in the Park district.

Smethwick.—The Insurance Committee met on December 4, when the Medical Benefit Sub-Committee recommended that chemists be asked to provide a dispensing service up to 8.30 P.M. on Mondays and Saturdays, instead of 8 o'clock, as many patients have been unable to obtain medicines before 8 P.M. It was also recommended that the Bank Holiday closing arrangements be extended to December 27, one pharmacy in each district to be open for two hours in the morning and evening. The Commissioners intimated that they will withhold 10*l*. from the grant for 1917 on account of the contravention by a doctor of the medical certification rules. This sum will accordingly be deducted from the practitioner's account. Panel chemists have received notice of the changes in the dispensing terms for 1918. The Sub-Committee recommended that two applications for permission to make private arrangements for medical treatment be refused, and that the "War Emergency Formulary" be adopted. The Finance and General Purposes Sub-Committee reported that payments had been made to chemists, for the balance of August accounts and on account of September and October, of 270*l*. 2*s*. 1*d*.

Wolverhampton.—The prescriptions dispensed during the quarter ended June last numbered 18,286, the ingredient-price averaging 3.19*d*. and the dispensing-fee 2.95*d*., the total cost averaging 6.14*d*. per prescription and 3.74*d*. per person on doctors' lists.

WALES.

Glamorgan.—The Pharmaceutical Committee met at the Angel Hotel, Cardiff, on November 21, Mr. Oswal Davies (Vice-Chairman) presiding. The Secretary was instructed to inquire of the Insurance and Panel Committees as to the inclusion of glycerin and sugar preparations in the local stock-mixture Formulary. As the central list of stock mixtures is not used in the area, the recommendations of P.S. 46 do not apply. It was decided to supply each panel chemist with a copy of the Addendum, to be charged on the Committee's expenses fund, and to offer copies to the Panel Committee at reduced price. The report of the L.A.E. was discussed, and it was decided to recommend the acceptance of the Tariff for 1918.—A meeting of panel chemists followed, Mr. Davies in the chair, when it was resolved to issue a circular stating that the Pharmaceutical Committee and the panel meeting agreed that a satisfactory service should be maintained. A resolution was also carried asking the Commissioners and the Insurance Committee to render all possible help in retaining the services of all assistants who are necessary for Insurance dispensing.

WE shall never get justice done to science by the Government and its Departments until some knowledge of science is made a compulsory part of the curriculum for the training of the Civil Service and an important item in the Entrance examinations. Only in this way shall we get the Departments filled by men who realise what science means, and how it lies at the root of all material progress. —*Mr. A. A. Campbell Swinton, F.R.S.*

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. As a result of the War wholesale houses have had to contend with many fresh difficulties, some of which have involved greatly increased expenses. Shortage of labour with higher wages (equal to almost double pre-war rates) has a direct effect upon values of goods, as also have railway carriage, freights, cartage, and other charges. The foregoing and other incidental outlays prevent retail buyers purchasing at the market prices quoted here.

42 Cannon Street, E.C. 4, December 20, 3 p.m.

BUSINESS in chemicals and drugs this week shows evident signs of the approaching holidays, and as the markets will be closed from Friday until Thursday morning, there will be practically nothing to report next week. Meanwhile, there is no cessation in the upward movement in prices, and this is bound to be the case while the present difficulties exist in finding freight-space, particularly from the United States, upon which country we are dependent for so many chemicals and drugs. Among the principal alterations is an advance of 5*s.* per cwt. in sal ammoniac; tartaric acid is ½*d.* to 1*d.* dearer, and cream of tartar has advanced a further 5*s.* per cwt. Sulphonal is dearer in one quarter, and formaldehyde is also higher owing to scarcity. Among drugs, balsams are firm, particularly tolu, which is dearer to arrive. Mexican sarsaparilla has also advanced on spot in sympathy with U.S.A. Chinese galls have been selling at higher rates. Honey and turmeric are firm. Star anise oil is easier.

Higher	Firmer	Easier	Lower
Balsam tolu	Caffeine	Anise oil, star	Petrol
Cream of tartar	Chloral hydrate	Cloves	Turpentine
Epsom salt	Cocoa-butter	Copper sulphate	
Formaldehyde	Tartaric acid	Pepper	
Galls (Chinese)			
Glauber salt			
Glucose			
Sal ammoniac			
Sarsaparilla			
Sulphonal			

Cablegram.

NEW YORK, December 20.—Business is quiet. Acetanilide has advanced to 75c. Menthol is quiet at $3.20. Cartagena ipecacuanha is dearer at $2.80. Copaiba balsam is steady at 96c., and jalap is dearer at 45c. per lb.

ACETANILIDE has a firm tendency at 4*s.* 6*d.* per lb. net on the spot.

ALBUMEN.—Sales of prime Chinese *egg* on the spot have been made at 4*s.* 1½*d.*, and *duck* at 3*s.* 6*d.* per lb.

ANISE OIL, STAR.—Red Ship brand is available on the spot at 4*s.* 2*d.* to 4*s.* 3*d.* per lb.

ASPIRIN is unchanged at from 13*s.* 6*d.* to 14*s.* per lb., as to quantity and seller. The decline in the sales to Russia has, of course, affected the position for the time being, and there is no question of any shortage.

BALSAMS are firm, with Central American (B.P.) *Copaiba* offering at 5*s.* 3*d.*, filtered Para in cases at 3*s.* 4*d.*, Maranham unfiltered in casks at 5*s.* 3*d.*, and filtered in cases at 5*s.* 8*d.* *Peru* is 19*s.* 3*d.* net for genuine B.P., and *Tolu* to arrive is offered at 4*s.* 8*d.* per lb. net, prices having substantially advanced in U.S.A.

BARBITONE is quoted at from 120*s.* to 125*s.* net, as to position and seller.

BENZOATES are firm and unchanged, benzoic acid offering at 15*s.* to 15*s.* 6*d.* net, and for sodium benzoate 14*s.* 6*d.* is regarded as the maximum price.

BROMIDES are unchanged, but there is good reason to believe that prices may improve shortly, and makers are not inclined to sell large quantities.

CAFFEINE is firmer at 56*s.* per lb. afloat for pure crystals.

CAMPHOR (REFINED).—Fair arrivals of Japanese have taken place, but they are mostly sold to arrive. Slabs offer at 3*s.* 10*d.*, and ¼-oz. and 1-oz. tablets at 4*s.* 3*d.* on the spot. The exports from Japan during August amounted to 214,863 kin, valued at 350,056 yen. During the eight months ended August the exports were as follows:

	1915	1916	1917
Kin	2,494,473	3,672,465	2,219,893
Yen	2,243,524	3,476,454	3,759,166

The destinations were as follows:

	1915 Kin	1916 Kin	1917 Kin
British India ...	852,357	985,391	650,811
Asiatic Russia ...	146,475	410,476	283
Great Britain ...	279,548	622,428	47,490
France	448,655	314,090	66,618
United States ...	537,963	1,144,407	1,306,962
Australia	117,994	84,380	58,436
Other countries ...	111,481	111,293	89,293
	2,494,473	3,672,465	2,219,893

CASSIA VERA.—At auction 697 bales fine Padang quill in prize sold at from 67*s.* to 69*s.* per cwt.

CHLORAL HYDRATE has met with more inquiry, and the position is distinctly firmer owing to the small supplies available for the next month or so.

CITRIC ACID is steady at 3*s.* 3*d.* per lb. on the spot.

CITRONELLA OIL is firm, with sellers of Ceylon in drums at 2*s.* 5*d.* to 2*s.* 6*d.* per lb. on the spot.

COD-LIVER OIL.—It is reported that Norway has placed an embargo on all exports of cod-liver oil until after the war is over. On the spot (London) fine medicinal 1916 Norwegian oil can be had at 410*s.* per barrel net, and non-freezing Newfoundland at 15*s.* per gallon net.

COPPER SULPHATE.—Quotations for export are nominally easier, but business has remained practically in abeyance. At the time of writing no fresh business has been done for France, while the list of approved French buyers has not as yet come to hand. The f.o.b. quotation stands at about 67*l.* for December-January shipment. The special prices quoted for home agricultural purposes appear to have attracted a big demand, and some considerable business has been done at 48*l.* net per ton. Most makers are now apparently sold out for January-February, offers being virtually confined to March-April delivery at 50*l.* per ton. According to official returns the November exports from the United Kingdom show a very considerable excess against the previous month at 6,806, these figures being the heaviest on record for the time of the year, and compare with 3,544, 4,595, 739, and 701 tons for the same month respectively in the previous four years. The aggregate for the first two months of the new season represents 10,093 tons, against 6,084, 6,262, 1,146, and 1,311 tons respectively in the corresponding period of the four previous years.

CREOSOTE (ex Beechwood) is offered at 14*s.* to 14*s.* 6*d.* net on the spot.

EPSOM SALT.—Messrs. Howards notify an increase of 9*d.* per cwt. owing to the advance in the cost of packages. They quote 16*s.* 6*d.* per cwt. net in bags.

FORMALDEHYDE.—The spot price has risen to 150*s.* to 155*s.* per cwt., with stocks decidedly small, and so far as can be judged only moderate quantities are booked to come forward. The exportation from the United States has been prohibited for the time being except under licence, so that there is not likely to be any improvement in the supplies.

GALLS.—Chinese are dearer, with spot sales of ordinary at 160*s.* per cwt.; to arrive, ordinary offer at 150*s.* and plum-shaped at 165*s.* c.i.f.

GLAUBER SALT.—Messrs. Howards notify an increase of 9*d.* per cwt. owing to an advance in the cost of packages. They quote 7*s.* 9*d.* per cwt. net in bags.

GLUCOSE.—The leading American importers state that they have nothing to offer, so that the market is nominal; the last price was 60*s.* per cwt. ex store Liverpool. The English makers' output is, of course, absorbed by their regular customers, and does not come on the market.

HEXAMINE is worth 5*s.* 6*d.* per lb. net on spot. Parcels are awaiting shipment, but freights are difficult to obtain.

HONEY remains firm, and resellers are able to obtain a fair profit on last week's auction rates. It is probable that a fair amount of Chilian will be offered at the next auction.

HYDROQUINONE is firm at from 11*s.* 3*d.* to 11*s.* 6*d.* per lb. on the spot, and 10*s.* 6*d.* to 11*s.* net to arrive.

LIME-JUICE.—Good raw West Indian is worth 3*s.* 3*d.* per gallon on the spot.

LIQUORICE-JUICE.—Genuine pure block is obtainable on the spot at 325*s.* per cwt.

PEPPER is easier, with spot sellers of fair *black* Singapore at 1*s*. 2*d*., Tellicherry at 1*s*. 3¾*d*., and Alleppy at 1*s*. 3½*d*. Fair *white* Singapore is quoted at 1*s*. 8*d*. and Muntok at 1*s*. 8*d*.

PETROL.—Following upon the recent 2*d*. per gallon reduction (*C. & D.*, December 1, p. 49), the companies forming the Pool Board (Petroleum Supplies) now announce that owing to a further reduction in the Government war-risk insurance upon vessels the wholesale price of all grades of war motor-spirit will be reduced from December 18. The new wholesale prices effect a reduction of 1*d*. in the retail prices to the public of war motor-spirit, the current prices of which in England and Wales will be as follows: No. 2 war motor-spirit, 3*s*. 6*d*. per gallon; No. 3 war motor-spirit, 3*s*. 5*d*. per gallon. Scotland and Ireland, 1*d*. additional.

PHENAZONE.—There is not much arriving, but supplies are sufficient to keep pace with the demand. The spot price is 55*s*. net, and 56*s*. net to arrive.

PLATINUM.—Although the opinion some time ago was expressed that the adverse political developments in Russia at the expense of the Entente Powers could hardly have any important bearing on the future of the platinum industry in that country, views on that point have lately been somewhat modified. There is certainly ground for some little anxiety in regard to future supplies. The state of anarchy which prevails in Russia, coupled with a recent report that the gold reserves had been appropriated by the Bolshevik party, has aroused fears lest the available resources should also be tampered with. It is, however, believed that there are fair supplies held in reserve in this country. It seems fortunate that the important deposits referred to in our columns recently can now be exploited in Colombia. Latest advices received from that quarter are to the effect that nuggets of considerable size (weighing as much as 142 castellanes, or something over 1 lb.) were secured from one of the chief mines.

POTASH CARBONATE.—An arrival of between 700 and 1,000 tons of carbonate of potash (94 to 95 per cent.) has been received in New York from Vladivostok, and the market there has declined from 94 cents to 60 cents per lb.

POTASH IODIDE.—The exports from Japan during August amounted to 17,771 kin, valued at 103,048 yen. During the eight months ended August the exports were as follows:

	1915	1916	1917
Kin	90,646	115,408	99,045
Yen	684,005	857,234	601,366

The exports of *crude iodine* from Japan during August were 5,611 kin, valued at 26,886 yen; during the eight months ended August the exports were:

	1915	1916	1917
Kin	1,941	906	20,636
Yen	11,815	5,432	148,654

QUININE.—The makers are still unable to make offers. In second-hands, sulphate can be bought at from 3*s*. 3*d*. to 3*s*. 6*d*. per oz.

SACCHARIN.—Spot prices of 550 strength vary from 370*s*. per lb. upwards; afloat is offered at 340*s*., and January shipment at 320*s*. net. A New York advice dated November 22 reports that further heavy business has been done for delivery over 1918, mostly for export, and the American makers have made considerable progress in their production. The demand for spot goods has eased off considerably, and the article is now more freely offered at $35.00 to $38.00 for soluble and $38.00 to $42.00 for insoluble.

SAL AMMONIAC has been advanced by 5*l*. per ton to 80*l*. for first quality lump, 75*l*. per ton for second quality, and 5*l*. per ton extra for ground.

SALICYLATES are in fair demand, 6*s*. per lb. net being the maximum price for salicylic acid. Owing to the breakdown in an English maker's plant cheap parcels of sodium salicylate are no longer available, and the price is 8*s*. net on spot.

SARSAPARILLA.—A limited quantity of Mexican is available at 2*s*. 10*d*. net on the spot, after which the price will be 3*s*. New York price has advanced considerably.

SHELLAC is quiet, with usual standard quality TN offering at 360*s*. on the spot.

SULPHONAL.—One of the principal importers has advanced his price to 80*s*. per lb. net for January delivery, but at the moment a limited quantity in second-hands could probably be had at slightly less.

TARTARIC ACID is firmer at from 3*s*. 1½*d*. to 3*s*. 2*d*. per lb. on the spot.

TURMERIC is firm, with spot sales of Madras finger at from 62*s*. 6*d*. to 65*s*. per cwt., and Cochin finger at 50*s*. Cochin split bulbs offer at 40*s*.

TURPENTINE.—The elasticity of this market lately has again been remarkable, and one can hardly resist the conclusion that, although the strong statistical merits of the article are duly recognised, there is plenty of speculative and interested support at the back of the movement. Home consumption is of itself abnormally curtailed because of the war, which necessitates restrictions upon manufacturers in one direction or another. The question of prices, too, is now another subduing factor, although consumers have no notable substitute to fall back upon. Prices have risen to close upon 128*s*. per cwt., which is not far short of double the absolute record touched in pre-war times under cornering tactics between seasons or exceptional conditions of scarcity. There has, however, been a reaction this week, and on a flat market prices have declined about 7*s*. 6*d*. per cwt. The position of shipping, which is the crux of the situation, is becoming, of course, more and more difficult, and sellers are as scarce as ever, while holders maintain reticence in view of a probable further depletion of the reserve stocks. Yet the November receipts, though comparatively small at 2,223 tons, were by no means bad in these times, comparing with 3,112 tons last year. The total imports for the eleven months amounted to 10,565 tons, against 17,658 tons and 25,802 tons respectively for the corresponding periods in the previous two years. Obviously consumers now see no reason to cover themselves beyond urgent needs, although it is quite possible that the upward movement may yet be pushed further.

WAX, VEGETABLE.—Spot sellers of Japanese slabs quote 97*s*. 6*d*. to 100*s*., and to arrive January-March shipment 94*s*. c.i.f. is quoted.

YOHIMBEHE-BARK.—We understand the parcel of 33 bags offered in last week's auction has been sold.

French Essential Oils.

ANISE OIL (STAR).—The spot price of Tonkin is 17fr., but some parcels afloat are offered cheaper.

CANANGA OIL (JAVA) is steady from 56fr. to 58fr.

CASSIA OIL.—Owing to scarcity up to 22fr. is asked.

CIVET (ABYSSINIAN).—A few post parcels of a medium quality have been received, and can be had at 325fr.

CLOVE OIL.—Nothing is offered, and the spot price is nominal at 52fr. for 75 to 80 per cent.

GERANIUM OIL (ALGERIAN) is very firm at 65fr.

GERANIUM OIL (BOURBON).—A report to hand from the Isle Reunion intimates that the new crop will be a very short one owing to lack of labour, and high prices are expected; the actual price is 49fr. c.i.f. Marseilles, all insurances at the expense of the buyer.

LAVENDER OIL.—For first-class quality 45fr. is quoted, with little prospect of any decrease.

LEMONGRASS OIL of finest quality is offered at 21.50fr. c.i.f. Marseilles.

LINALOE OIL (MEXICAN).—A few drums which arrived at St. Nazaire were sold at 45fr.

ORRIS (FLORENTINE) is firm at 225fr. for good sorts delivered Paris in car-loads.

PETITGRAIN OIL (PARAGUAY).—For a good-class oil, delivered Marseilles, 48fr. is asked.

ROSEMARY OIL (FRENCH) is scarce and dear, 12fr. and upwards being quoted, owing to the embargo on the importation of Spanish oils.

VETIVERT OIL (BOURBON) is quoted at 115fr. c.i.f. Marseilles.

Shipping Freights to Scotland.

The Carron Co., Clyde Shipping Co., the General Steam Navigation Co., and the London and Edinburgh Shipping Co. announce that owing to further considerable increases in all expenses incurred under the existing exceptional conditions the surcharge will be increased to 50 per cent. on the gross rates on all goods received for shipment on and from December 10.

German Markets.

For several months past the German chemical and pharmaceutical Press has ceased publishing market reports of prices. Occasionally a single price quotation is given—*e.g.*, a further increase in bromides is reported, these being quoted at m.3.60 per kilo. (m.350 per 100 kilos.) for potassium crystals; m.3.90 per kilo. (m.360 per 100 kilos.) for powdered; m.4.50 per kilo. (m.420 per 100 kilos.) for sodium; and m.4.85 per kilo. (m.455 per 100 kilos.) for ammonium. Hungarian *Cantharides*, the only kind obtainable, are quoted at from m.100 to m.120 per kilo.

Shortage of Acetic Acid.

Following upon the difficulty of obtaining increased supplies of sulphuric acid, dyers are now informed of a shortage of acetic acid. The announcement comes from the Cloth Section of the War Department at Bradford, and with it is an intimation calling the attention of dyers to the desirability of selecting dyestuffs that can be applied without the aid of this particular acid. The Department point out

that they have convincing evidence that most satisfactory results are being obtained by using colouring matters mixed by the bichromate of soda and ammonium sulphate method, or by the meta-chrome mordant process. Dyers requiring information upon either of these processes are invited to apply to Mr. E. Lodge, Room 67, War Department, Cloth Section, Bradford, or to place their difficulties in the matter before colour-makers.

Norwegian Embargo on Oils and Fats.

A Royal Resolution was passed on October 25 prohibiting, until further notice, the sale in Norway, otherwise than to the Norwegian Government, of vegetable oils and animal oils and fats of every kind, including all kinds of train and fish oils. Various exceptions are made to this prohibition, including small sales by retailers of oils for home consumption and raw material of Norwegian origin, such as fish-liver, seal, whale, etc., blubber, crude tallow, etc.

American Potash Production.

As the Bill in Congress dealing with the production of potash in America has been passed, thereby removing the uncertainty with respect to the question of titles, which tended to hamper developments in California, a stimulus ought to be given to the industry. The output for the first half of this year had shown a notable increase over the total for the whole of the previous year. According to official returns, the total representing material actually sold to producers was over 14,000 short tons, valued at more than 5¾ million dollars. The Nebraska alkali lakes were among the chief contributors. It is estimated that the production for the whole of this year will be well over 25,000 tons, or 2½ times more than for 1916. Even should a total of 25,000 tons be realised, it will represent but about 10 per cent. of the normal average yearly consumption of the country before the war, thus showing the need for further efforts to develop domestic production.

Arrivals of Chemicals, Drugs, etc.

THE following arrivals have taken place at the Ports of London and Liverpool:

To London
(December 1 to 7).
Acetic acid, 81 brls.
Argol, 624 bgs.; tartar, 10 brls. 98 cks.; wine-lees, 1,116 pkgs.
Argyrol, cs.
Arsenic, 2, 050 cwt.
Barytes sulph., 29 brls.
Benzonaphthol, 2 cs.
Bromides: potash, 10 cs.
Calcium cit., 6 bgs.
Camphor, 25 cs.
Capsules, medicinal, 14 cs.
Casein, 1,952*l.*
Chalk, French, 310*l.*
Citrate of lime, 27 cks.
Cream of tartar, 4 cks.
Dagga (So. Af. drug), 21 bgs.
Dental goods, 131*l.*
Drugs, unrated, 186*l.*
Dyestuffs, etc.: cutch, 950 bxs.; dyewood ext., 20 bxs.; indigo (synthetic), 20 brls.; myrabolans, 4,000 pockets 200 bls.; tanners' bark, 195 tons
"Emulsion," 1,939*l.*
Formaldehyde, 28 brls.
Gums (cwt.): acacia, 200
Hemlock-seed, 5 bgs.
Insect-powder, 6 cs.
Kola, 15 cwt.
Menthol, 5 cs.
Mutol, 200 cs.
Oils, essential, 59 cs. 49 drms.; synthetic, 14 cs.
Oils, fixed: cod, 308 cks.; cod-liver, 10 brls.
Opium, 49 cs.
Perfumery, unrated, 4,066*l.*; toilet-powder, 44*l.*
Quinine, 50,000 oz.
Resin, 500 brls. 77 cks.
Saffron, 1 cs.
Salicylic acid, 34 brls.
Saltpetre, 227 cwt.
Sarsaparilla, 18 bls.
Scopolia-root, 7 bls.
Seeds (bgs.): canary, 50; castor, 1,391; coriander, 466; cotton, 15; dill, 289; fenugreek, 262; lin, 1,733; mustard, 305; niger, 63
Shellac, 147 cwt.
Soda salicylate, 51 cwt.
Starches (cwt.): 1,000; potato-flour, 32
Stramonium - leaves, 28 bls.
Talc, 415*l.*
Tallow, unrefined, 3,241 cwt.
Turmeric, 5 cks.
Turpentine, 1,250 brls.
Urodonal, 13 cs.
Vacuum flasks, 172*l.*
Wax, not described, 143 pkgs. 30 bgs. 2 cs.
Wax, paraffin, 4,096 cwt.
Cancelled entries: Apr. 26, 880 cwt. shellac; Aug. 2, 1,155*l.* casein; Aug. 15, 150 bgs. argol; Aug. 20, 29 chests indigo; Sept. 25, 56 brls. acetic acid.

To Liverpool
(December 3 to 8).
Acetic acid, 469 brls.
Argol, 1,073 bgs. 153 cks.
Bone black, 60 brls.
Cadmium, 1 ton 15 cwt.
Carbon black, 230 cs.
Castorum, 1 cs.
Celluloid, 1,912*l.*
Cinchona, 494 bls.
Cream of tartar, 37 cks.
Dental goods, 59*l.*
Drugs, unrated, 285 pkgs. 5 cs. 67 bgs. 85 brls. 14 bls. and 60*l.*
Dyestuffs, unrated, 126 pkgs. 3 cs. 20 brls. 50 kgs.; cutch. 700 bxs.; dye ext. 10 cks. 59 brls.; fustic liquor, 136 cks.; gambier, 765 bgs. 1,426 cs.; indigo, 27 chts.; logwood ext., 335 cks.; myrabolans, 4,114 bgs.; quebracho ext., 59,443 bgs.; quercitron ext., 25 cks.; tanning ext., 1,184 cks.; valonea, 1,570 bgs.
Formaldehyde, 179 brls.
Glycerin. ref., 76 drms.
Iodine, 116 kgs.
Isinglass, 12 bgs. 20 brls.
Lavender - flowers, 44 bls.
Liquorice-powder, 10 bgs.
Magnesite, 4,200 tons
Mustard oil, 14 cs.
Nickel oxide, 137 brls.
Nuts and kernels (bgs.): arachis, 2,105; babassu, 2,674; palm-kernels, 16,533 bgs. and 830 tons; shea, 470
Oils, essential, unrated, 166 cs. 4 drms.
Oils, fixed: castor, 423 cks.; olive, 228 cs.; palm, 382 cks. 26 pps.
Opium, 100 chts.
Petroleum jelly, 565 brls.
Potash carb., 11 brls.
Quassia, 11 tons 15 cwt.; log, 40 tons
Resin, 1,211 brls. 125 cks.
Salicylic acid, 80 brls.
Saltpetre, 500 bgs.
Seeds (bgs.): caraway, 10; castor, 2,723; coriander, 10; cotton, 13,413; cumin, 5; dhall, 67; dill, 1,200; lin, 6,469
Soda ash, 370 brls.
Soda caustic, 60 drms.
Soda nitrate, 16,503 bgs.
Starches, 3,435 bgs.
Tragacanth, 64 pkgs.
Wax, bees', 12 cs. 5 sks.
Wax, paraffin, 618 bgs

CORRESPONDENCE

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Christmas Appeal to the Drug-trade.

SIR,—I have been asked by the Young Men's Christian Association to organise a big national Christmas and New Year effort to provide them with the sum of at least 500,000*l.*, to enable them to carry on the magnificent work they are doing, and to cope with the ever-increasing demands made upon the Association. I am hoping to raise this amount by making a separate appeal to each profession, trade, and industry throughout the country, and I am writing to ask your cordial support of the endeavour to collect 50,000*l.* from the drug-trade. Appeals have already been made to the grocery trade, bankers and financiers, shippers and the tobacco trade, and are making considerable progress. From office, shop, factory, and warehouse, young men have gone at the call of duty to fight by sea or land in the cause of honour, justice, and liberty, and most of us have received from them testimony of the invaluable work done on their behalf by the Y.M.C.A. wherever they may be. I earnestly ask chemists not lightly to lay aside this appeal, but to respond to the fullest extent of their power, for the sake of the brave men who have staked their all on our behalf. Donations should be sent to me at 13 Russell Square, London, W.C. 1, marked "Drug Trade." Yours faithfully,

HERBERT BROWN, Hon. Organising Secretary.

Patent Medicines at Face-value.

SIR,—I shall esteem it a favour if you will allow me through your columns to acknowledge the large number of communications I have received from all parts of the country concerning the above subject, every one, without exception, favouring the adoption of the scheme. Concerted action would have been impossible before the formation of Chemists' Associations all over the Kingdom. These Associations make changes and conditions possible which otherwise would have been out of the question. As I stated in a preceding letter, my opinion is that the main obstacle to the adoption of "face-value" is the attitude taken up by multiple shops, but as I now understand the managers of multiple shops are usually members of the various Chemists' Associations, and also as I gather multiple shops are coming more and more into line with the general retail trade, I cannot but think unanimity with respect to "face-value" might with a little engineering be brought about. I would strongly urge the question of patent medicines at face-value being given a prominent position on the agenda of the various Chemists' Associations in the Kingdom, and fully discussed and ventilated at those meetings. Another point is, it looks very much as though, owing to the Paper Restrictions Order under the Defence of the Realm Act, there may be no patent-medicine lists issued by the trade next year. Should this be so, unless the principle of face-value be adopted, the chemist will have no knowledge of the price he has to pay for his patents until the invoice is received. I am wondering whether the photographic business might not be taken as an illustration, as from the information I have been able to gather I understand in no instance are photographic articles sold below face-value, and apparently the flat discount system works satisfactorily. In order to take the question out of the region of talk and correspondence, and put it to a practical test, I should like to urge that a few towns (the more the better) in which every chemist is a member of the local Association put the scheme experimentally into immediate operation—that is to say, every chemist in the district commence right away selling all patents at face-value: there would be everything to gain and nothing to lose in the experiment, and the results would be not only interesting but a most valuable object-lesson, and I take it materially assist in bringing about the conditions urged by Mr. J. J. Jackson and others in your columns. The whole question is now so much before the trade that I shall be extremely sorry if this present favourable opportunity is allowed to pass without carrying it through. W. H. SAUNDERS.

34 Hanover Street, Liverpool.

Profits on Proprietaries.

SIR,—I do not suppose Mr. Wolff's sales average more than 1*s.* 6*d.* per customer. He should know how many he serves. On his own assertion he can, for 1,000*l.* return, supply 13,300 (probably 18,000) with patents at an establishment-cost of 50*l.* If this be the case no one is likely to dispute his claim to "the belt" for progressive pharmacy. My practice has been to make a complete analysis of the profit-and-loss account, paying special attention to the expenditure of time and money, and I strongly advise every chemist to do the same for 1917, and judge for himself instead of trusting to others. The principle of doing one thing for littlo or nothing for the sake of something which may or may not turn up would in any other branch of commerce be called rotten business.—Yours faithfully,

J. J. JACKSON

Hereford. (Chave & Jackson, Ltd.).

SIR,—Nobody will question Mr. Jackson's sincerity of motive in bringing this question up, but it is fairly obvious that no solution will be satisfactorily obtained if the correspondence is to be carried on regardless of business principles and their practical application to the trader. If Mr. Jackson and other chemists hold the opinion that patent medicines are "articles put up for sale at double their commercial value," then they do not realise that competition of value and competition of price prevent any advertised articles being sold for any length of time "at double their commercial value." If by the expenditure of a large sum of money in advertising it were possible to create a large demand for such an article, does it not follow that this demand, coupled with the fictitiously high price, would produce competitors and thus take the trade from the original manufacturer or force him to sell his article at a more reasonable price? As a matter of fact, no amount of advertising "can create a forced demand through paying pounds per inch for newspaper space" for any article. The best one can expect of advertising is to develop a ready acceptance of the goods by the public—an unspoken preference for the advertised article, a subconscious confidence in its merits, because a manufacturer has backed it with his reputation and his money. The day has long since departed when any manufacturer, however purse-proud he may be, thinks that his advertising can force a demand. Yours truly,

ANDREW CREWDSON.

SIR,—Ten years ago I advocated direct parcels of 1*l.* to 3*l.* in place of 5*l.*, but as usual I was ten years ahead of "the trade." They did not then know that patents formed 50 per cent. of the public's demand for drugs; now it is nearing 75 per cent., and certain men have actually discovered what Glyn-Jones and Boot agreed (about 1905)—that Boots' sale of patents was 50 per cent. of the trade. At that time "personality" formed the theme, meaning thereby that if you tried very hard you could substitute something of your own. Now retailers want more profit, and there is only one way to get it—by giving window-shows and fair treatment and no substitution. The 5*l.* limit was dropped years ago by many of the most popular patent-makers, and in every case of such my demand has so increased that I rarely ever buy less than 5*l.* in a business of 1,500*l.* a year, after three or four years of small lots. Makers, please note, and I hope it will be a lesson to some of those who still stick to 5*l.* The window-shows and the goodwill put into it by me simply enabled me to get my due share of the public demand which formerly was going elsewhere, so that if window-shows are dropped newspaper advertisements must be increased, and the trade may not come to us. I do not allude to the war-emergency dropping of window-shows and special discounts, but I hope makers will be wise enough to see that with so many popular patents, all needing to be shown in window, it will probably pay them better to cut out some other expense. A Minimum Wage Act is looming ahead; the Apothecaries' Hall is turning out 500 qualified women a year, and that means a permanent raising of wages to staffs where ten years ago we had mostly apprentice labour, so that it seems a suitable time for the Proprietary Articles Trade Association to look ahead and consider the future profits needed to carry on our trade on a basis of a demand of 50 per cent. or 75 per cent. of patents, and National Insurance dispensing at the same rate of profit, or less. Face-value we ought to get at once clearly stamped, as so many firms are doing now, instead of wasting precious time in turning up price-lists to see if a 1*s.* 3*d.* line is actually to be sold at 1*s.* 2½*d.* I suggest a P.A.T.A. meeting at once, leaving the profits to be dealt with later, as so many firms will certainly imitate Pears' policy, which has been so successful. In war-time it is best to "ask what we can get."

JAY MACK.

SIR,—Undoubtedly this question of prices must be taken into consideration by every thoughtful pharmacist, who cannot fail to see that a just settlement would not only mean immediate advantages, but would hold out an attractive and successful future for pharmacy, and this is necessary. We must sincerely hope that this correspondence will materialise in such a solid reformation of prices that will be acceptable to the manufacturer, the wholesaler, and the retailer. After some years of Colonial experience I came to London in January, and to me London prices seemed a regular lottery, and the retailing of a patent medicine at 1*s.* 10½*d.* after 3*s.* 6*d.* in the Colonies gave one a nasty shock. Then, again, "cutting" had become a "science," and quite overshadowed the art of dispensing, which seemed crushed to death between "Science" and Insurance. Now, at the present moment, manufacturers are compelled to adjust their prices to meet new conditions, and the retailer must necessarily advance retail prices to cover advanced wholesale rates and increasing working expenditure, and I feel confident that if manufacturers were approached now they would protect their proprietaries at face-value and so arrange prices that chemists would be allowed a 25-per-cent. margin, which should be recognised as the irreducible minimum. The manufacturer would immediately reap increased profits, as the retailer would naturally adopt a policy of push towards proprietaries in preference to substitution. Similar to this has been the business policy of Mr. Harrison, Reading, whom chemists not only congratulate on his successful business, but thank for his straightforward statement which appeared in the *C. & D.* In my present business I have a lady assistant who gets practically face-value for every sale, and customers rarely make any comment. The public do not ask us or thank us for cut prices; the blame lies at our door, and so does the means of readjustment. Why are we chemists so blind to the advantages of organisation and combination, and so slow to grasp such powerful weapons in the cause of business equity? Secretaries should get to work, interest their Associations in this vital question, and hustle them until this chaotic condition of prices is rectified. Yours sincerely,

Barnes. DAVID G. MELVILLE.

SIR,—I am heartily in sympathy with Mr. Jackson's views as to the inadequate profit on patents (which expression for the purpose of this discussion should include toilet-articles), and much admire the way in which he has stated the case, but I would suggest that, to facilitate matters, the question of foods, whether for invalids or infants, be dropped for the present from the discussion. So, too, I think, should soaps, for obvious reasons. I cannot shut my eyes to the fact that any attempt to put up the retail price of these to any appreciable extent is bound to recoil to the disadvantage of the chemist himself. I would advocate the putting of emergency foods—*e.g.*, beef-juice—in the patents category, as the profit they now yield is a totally inadequate one, especially when one bears in mind the comparative rarity of their sale. During a thirty-eight years' experience in the drug-trade I have seen the sale of many lines gradually drift to the grocer—*e.g.*, sauces, flavouring essences, chutnees, and night-lights. Is this altogether due to the facilities offered by free delivery? I trow not. I take it that there are few of us who are so far devoid of business acumen as to wish to throw the proprietary trade overboard. Let us, therefore, see that we take no steps which might prove the equivalent of that. Let us insist on percentage of profit being always stated as percentage of turnover and not percentage on cost. In business the chemist wants to know how much of the cash in his till is his profit, and that without an arithmetical calculation. I submit that 20 per cent., based on the wholesale house price, is not too much, and that slower-selling lines should bear from 25 to 30 per cent. Let us make a start by boycotting those which yield a single copper for the trouble—I can't call it profit. Let us further absolutely refuse to have anything to do with "sops," by means of which some proprietors seek to make it appear that the profits are worth having. I take it that the figure 16 per cent. stated by Mr. Curtis as the average of working expenses will be taken as being as near as one can get to it. Then if we agree with the contention of the proprietors that their goods should not be debited *pro rata* for working expenses with drugs, we should tell them right away, "We will concede you 3½ per cent.; that leaves your quota at 12½ per cent., and us 7½ per cent. net profit." This they surely could not think too high a remuneration for our services. Once the basis of profit arranged, I, personally, cannot see why proprietors should not come into line on the question of sale at face-value. Yours faithfully,

Bingham. C. C. HUME CADGE.

Legal Queries.

R. W. B. (188/43).—The address of the Petrol Control Department is 19 Berkeley Street, London, W. It is here you should apply regarding permits to obtain benzene.

Prestwich (203/8).—You are mistaken in thinking that the retail sale of glycerin is prohibited, and therefore the question of the legality of the sale of glycerin-pastilles does not arise.

Doubtful (207/70).—A limited company cannot legally assume the designation "member of the Pharmaceutical Society." Your own membership does not matter, as a company is a different entity in law.

H. C. (201/47).—You are several months behind the time for submitting formulæ for "known, admitted, and approved remedies" for insertion in the *C. & D. Diary*, 1918. The next opportunity will be in the autumn of 1918.

J. M. (189/16).—COCAINE AND OPIUM REGULATION.—Extract of opium is not included in the definition of "opium" given in this Regulation. See *C. & D.*, December 8, p. 44. Hospitals and public institutions are required to conform with this Regulation.

J. L. (203/71).—REGISTERING A TRADE-MARK is explained fully in the *C. & D. Diary*, 1917, p. 220. It is hopeless, however, to attempt to register the two words you mention; they are common English words, which would not be accepted by the Registrar.

J. W. (177/59).—LIABILITY TO TABLE-WATER DUTY.—The definition of table-water given in Section 5 of the Finance (New Duties) Act, 1916, is

> "Table-waters" for the purposes of this Act includes any aërated waters and any beverages sold or kept for sale in bottles, other than (*a*) any liquor for the retail sale of which an Excise licence is required, and (*b*) syrups or other liquors intended to be consumed only in a diluted form.

From this you will see that the directions on the cordial label, "may be taken as a wine undiluted," bring the preparation within the definition of table-waters that are required to pay duty. As the cordial is sweetened, this is at the rate of 8*d.* per gal. You are also liable for a manufacturer's licence, costing 10*s.* a year.

L. S. (202/22), having no licence to sell wine, sometimes receives orders from a local doctor to supply "Vibrona" to patients. These orders our correspondent has been in the habit of passing on to a wine-and-spirit merchant. He wishes to know whether there is any saving clause in the Licensing Acts which would allow him to supply "Vibrona" himself when ordered in this way. [There is no such saving clause. The sale of a medicinal preparation made with wine by a registered chemist without having a wine-licence is really a concession made by the Revenue Commissioners, and is not the subject of any express provision of the law. But the concession is only granted in the case of a medicated wine which is such in the opinion of the Commissioners. "Vibrona" is not such a medicated wine, and therefore a licence is required for its sale, even by a registered chemist. Our correspondent would do well in passing on orders for what is legally wine to be careful that he does not infringe the Revenue Act, which lays down that no person shall solicit, take, or receive any order for spirits, wine, or any other article for the selling of which an Excise licence is necessary unless he has such a licence, or unless he is a *bona-fide* traveller for a person duly licensed.]

Dispensing Difficulties and Notes.

A Phantom Precipitate.

SIR,—The following mixture, which I have to dispense frequently, gives me trouble:

Liq. ferri perchlor.	ʒij.
Ac. phosph. dil.	ʒiiss.
Liq. strychn.	ʒj.
Aq. dest. ad	℥viij.

When dispensed a nice bright mixture is obtained, but on standing a cloudiness appears sooner or later, sometimes amounting to a precipitate. I have tried mixing the iron and acid together in various strengths, but find myself unable to ensure a definite result.—Yours faithfully,

W. K. S. (202/7.)

[In trial samples of the mixture which we have prepared we have not succeeded in obtaining the precipitate which you describe, and we do not think it should form in the mixture. In some mixtures containing iron salts and phosphoric acid a precipitate of phosphate of iron is produced, but usually when the iron is combined with a weak acid, such as citric or tartaric, or when such a mixture as yours contains tinctures or spirits which by reducing the solvent capacity of the liquid induce formation of a precipitate; even tap-water, if hard, may be the inducing agent. The correct way in which to compound the mixture is to mix the solution of ferric chloride, solution of strychnine, and distilled water, and finally add the diluted phosphoric acid.]

Quinine Citrate Precipitate.

SIR,—Please advise me in the following dispensing problem:

Quin. hydrochlor.	gr. xij.
Caffein. citrat.	gr. xij.
Syr. limonis	ʒij.
Pot. citrat.	ʒiss.
Liq. strychn.	♏xx.
Aq. chlorof.	℥vj.
Aq. flor. aurant. ad	℥xij.

I have mixed it in the following different ways:

(1) Dissolved the quinine and caffeine in about half the quantity of water and added the syr. limonis, the pot. citrat. in solution (found to be neutral on testing), and the liq. strychn. In a few minutes a dense crystalline precipitate was formed.

(2) Dissolved the quinine and caffeine as before, the syr. limonis and liq. strychn. added, then the pot. citrat. solution well diluted. In about fifteen minutes a precipitate formed, but much more of it in fine needle crystals.

(3) The same method adopted, but the pot. citrat. omitted. This time the mixture remained clear.

Will you please tell me whether the precipitate can be avoided? Yours faithfully,

H. R. (206/33.)

[A precipitate in this mixture is unavoidable. The citrate of quinine formed is in excess of the quantity which the liquids will dissolve. Effort should be directed towards production of the precipitate in a state of fine division in order that it will be diffusible in the mixture. Probably the best way to obtain this result is to proceed thus: Place the quinine hydrochloride, caffeine citrate, syrup of lemon, citrate of potash, and solution of strychnine in a mortar, triturate well together, and add gradually with continued trituration the chloroform-water and orange-flower water previously mixed, being careful to rub down any "ticky" particles that may form. Dispense with a "shake" label.]

Miscellaneous Inquiries.

W. W. (204/29).—Paraffin-wax can be employed in place of white wax for the insecticide-ointment, that substance being only the vehicle for the sassafras oil.

E. V. Z. (208/46).—We cannot indicate the formula for the sanitary block any nearer than we did. It is for you to carry out a few experiments. The pine odour can be given by using one of the pine disinfectant-fluids, and a darker colour is obtainable by means of cruder tar liquids.

P. M. (Milan) (200/23).—Mitchell's "Inks: Their Composition and Manufacture," published by Chas. Griffin & Co. at 7*s.* 6*d.*, contains information on the manufacture of Chinese inks and copying-pencils, but not about making eyebrow-pencils.

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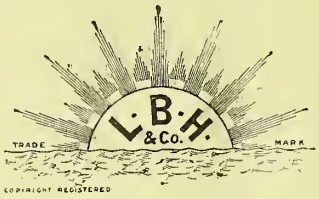

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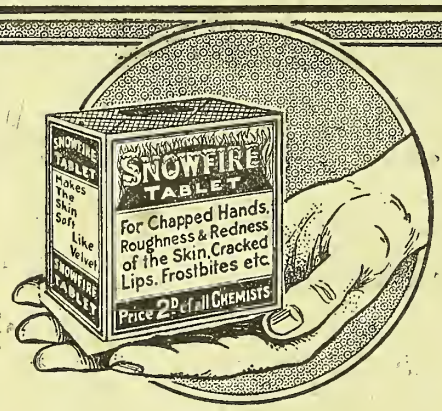

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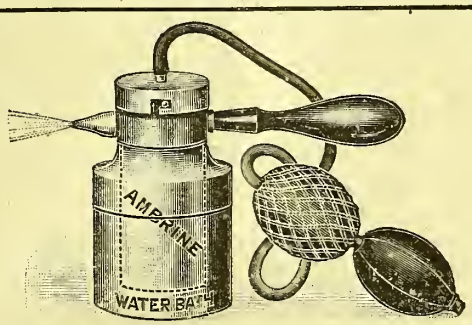

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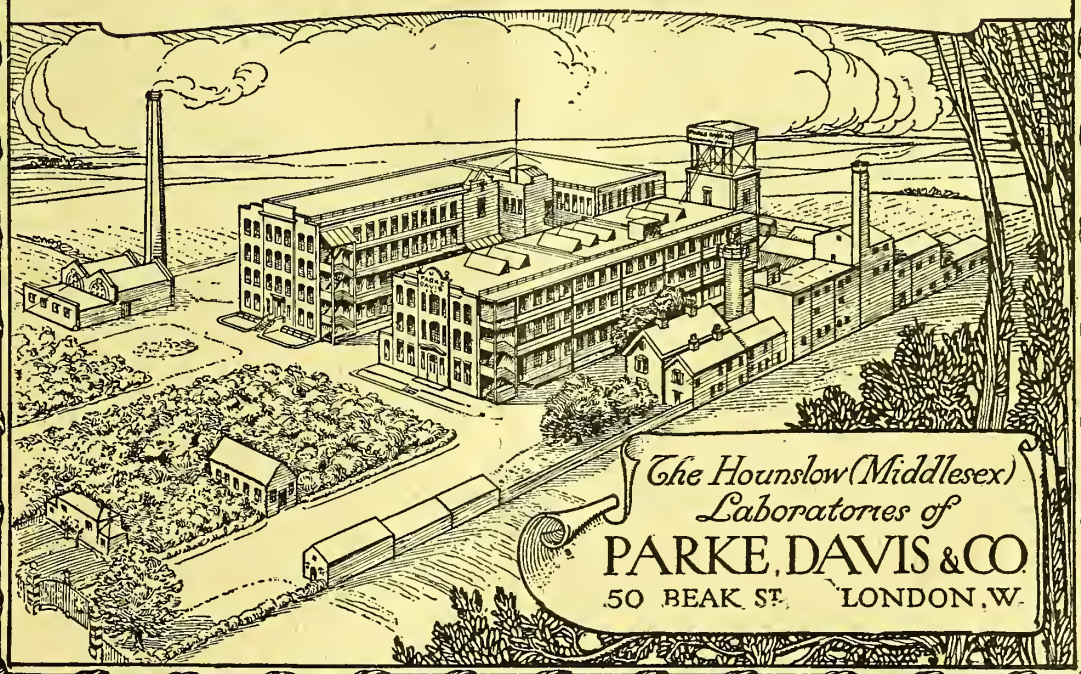

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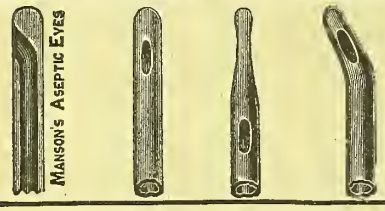

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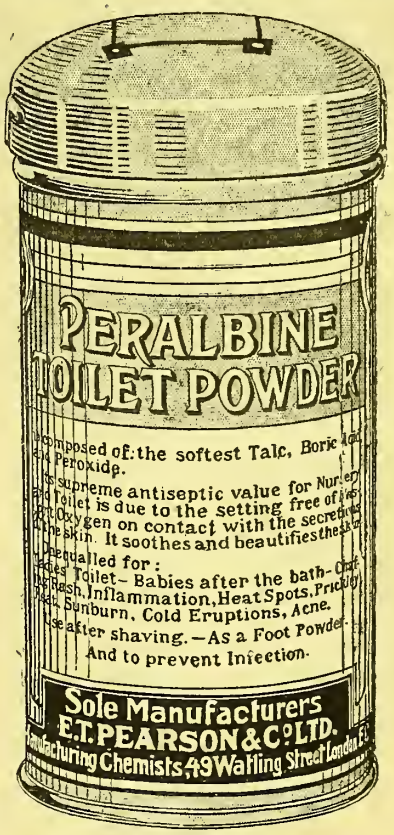

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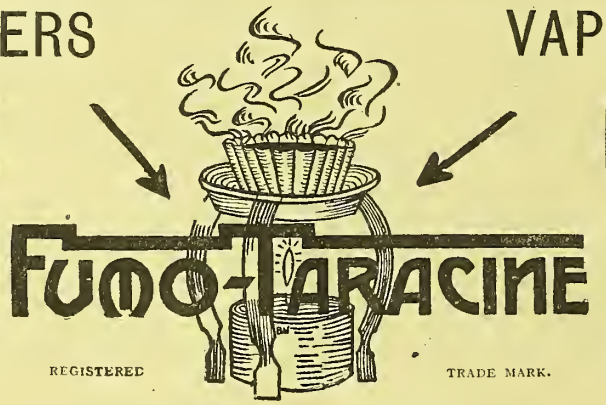

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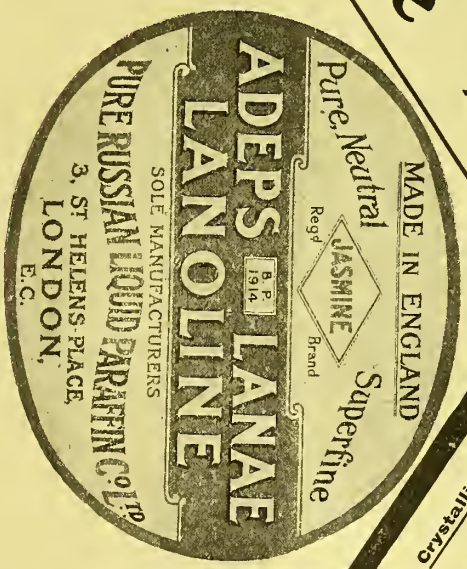

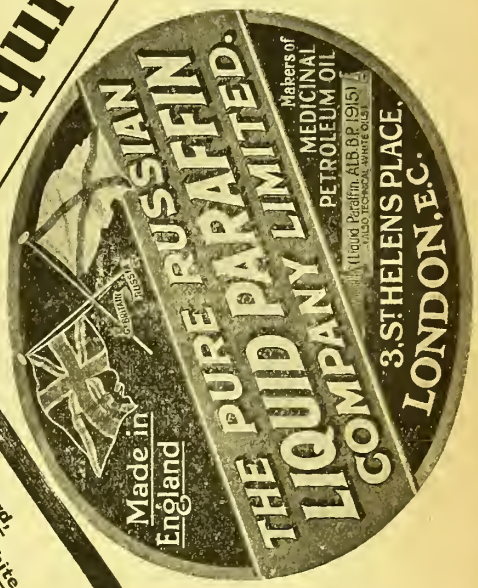

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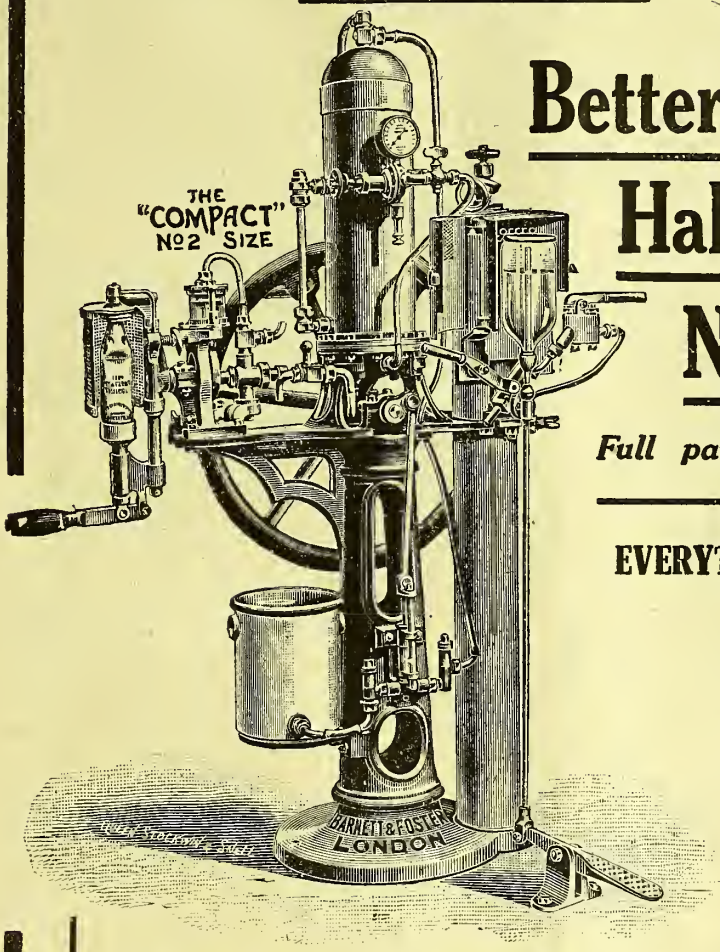

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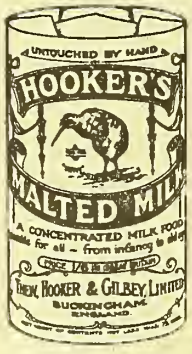

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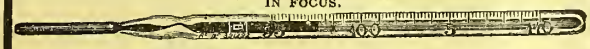

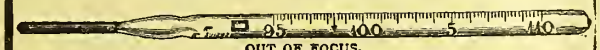

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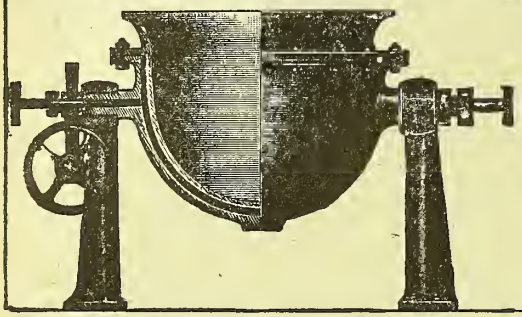

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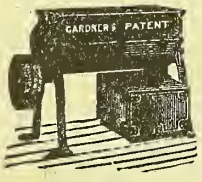

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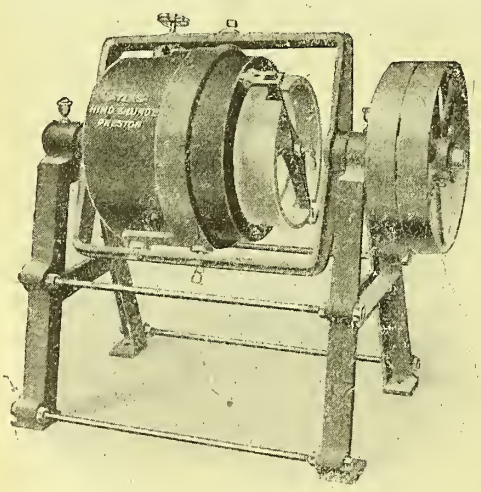

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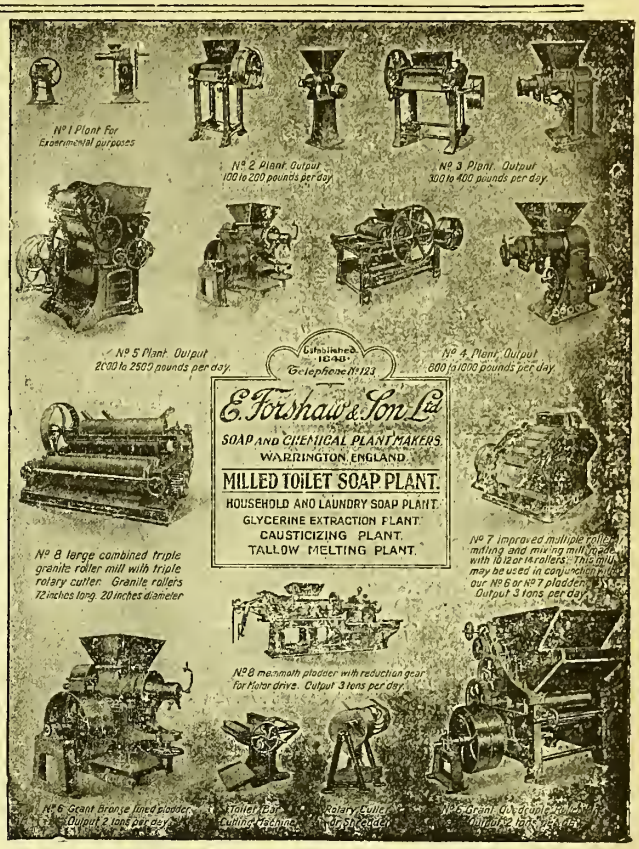

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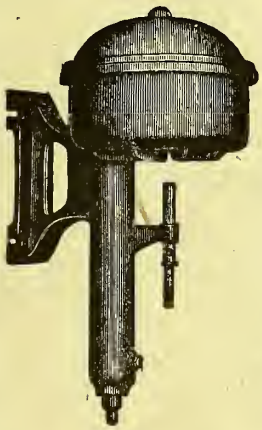

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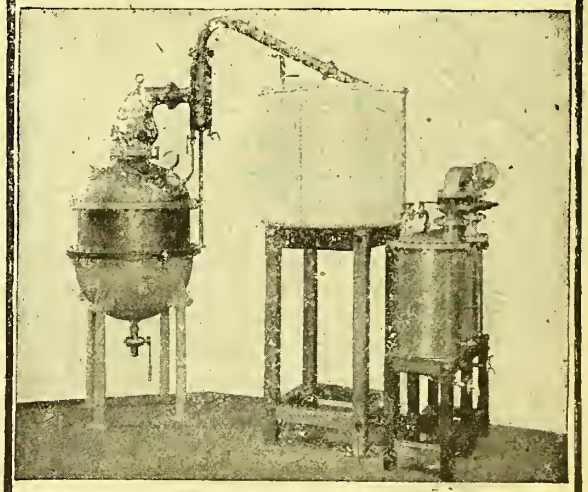

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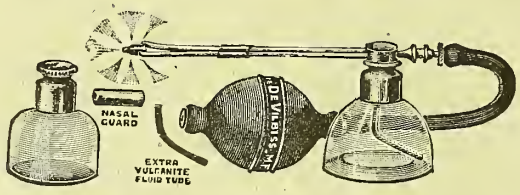

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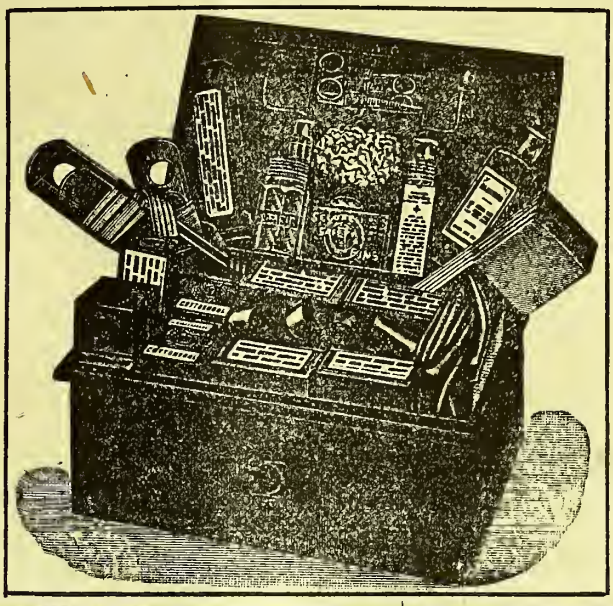

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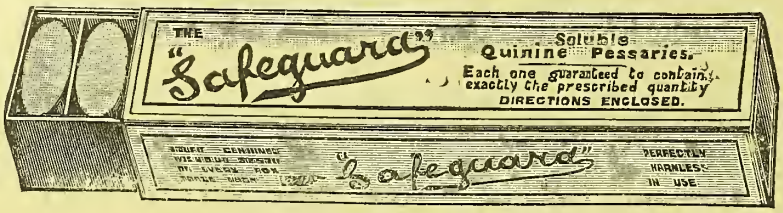

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Complete with best transparent fittings. Each in attractive box. PER DOZEN **7/-**

ARTHUR BERTON LTD.

15/17 Worship Street, London, E.C.

The "Patent" Moulded Neck of the "Ronoleke" Cannot Leak

Selling Points

1. The patent neck construction of the "Ronoleke" prevents it from leaking.
2. There is no washer to lose or mislay.
3. The brass socket in which the head is secured is moulded into the rubber.
4. Water cannot ooze around that socket.
5. The metal socket cannot come out in the hardest usage.
6. No other Hot Water Bottle in the World is unleakable.

Notice the Profits you Make

Size	Wholesale	Retail	Size	Wholesale	Retail
6×8	3/7	5/4	8×14	5/5	8/4
6×10	3/11	5/10	9×12	5/4	8/-
6×12	4/2	6/4	10×12	5/8	8/6
7×10	4/1	6/2	10×14	6/5	9/8
7×12	4/8	7/-	10×16	6/10	10/4
8×10	4/5	6/8	12×16	7/4	11/8
8×12	5/-	7/6			

We will shortly Advertise the "Ronoleke" in the popular weeklies—and we want you to share in the demand this will create. In case of difficulty send us the address of your Wholesale House, and we will see that you are supplied through them.

TEATS. We make a speciality of these. Your inquiry will receive prompt attention.

Sole Proprietors—

Campbell, Achnach & Co., Ltd., 59 Wallace Street, S.S., Glasgow

WE MAKE
GLASS
BOTTLES

ESTABLISHED 1880.

All Kinds, Shapes and Colours,
Plain, Screw-capped & Stoppered

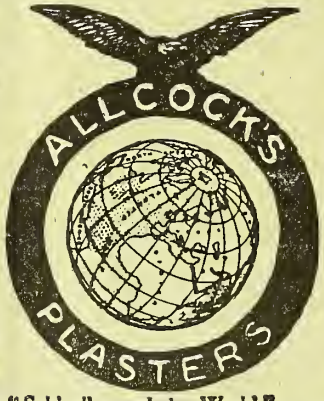
FORSYTH & BATE
TRADING AS
A. RUCH & CO., Ltd.
(G. GRANT FORSYTH, Managing Director)
Offices: 28 Martin's Lane, Cannon Street, LONDON, E.C.
Phone: Central 4799. Telegrams: "Sennock, Cannon, London."

LARGE STOCKS AT
OUR WAREHOUSES

Limes, Kalis, Flats (plain and panelled), Tablets, Pomades, Brilliantines, Colognes, Medicals, Poisons, Essences, &c. &c.

ESTABLISHED 1847.
Allcock's
PLASTERS
A REMEDY OF 60 YEARS' STANDING.

Allcock's Plasters
Allcock's Corn and Bunion Plasters
Brandreth's Pills
} The Three Reliables.



Prices and Terms on application to
ALLCOCK MANUFACTURING COMPANY
22 Hamilton Sq., Birkenhead.

"Sold all round the World."

E. YOULDON, LTD.
MANUFACTURERS OF
GLASS BOTTLES
TREBY ST. (late Carter St.),
Maplin St., Mile End, London, E.
ESTABLISHED 1840. Telegrams: "YOULDON, BOWBUR, LONDON." Telephone: EAST 132.

Solyptol SOAP

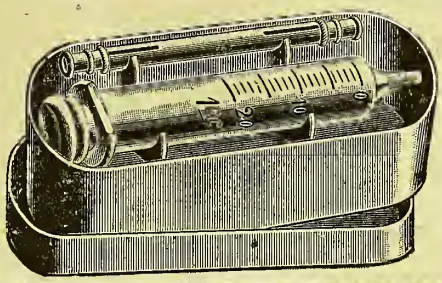
A high-grade Toilet Soap of marked Antiseptic properties. Non-irritating. Agreeably perfumed. Lathers in hard water. Assists the complexion. Heals cuts & abrasions. Invaluable in the Nursery.

TOILET SOAP in 3-tablet boxes.
SHAVING STICKS, each in a carton, packed half-dozen in a display case, with protecting sheath.
F. H. FAULDING & CO., 54 Gt. Tower St., London, E.C. Adelaide, Perth, Sydney, Australia.
Stocked by all Patent Medicine Vendors and the Principal Stores.

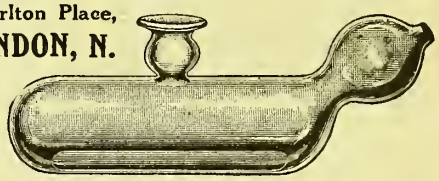
ERNEST JACKSON & CO
Manufacturing Chemists. LIMITED.
Specialists in { MEDICATED LOZENGES, PASTILLES, JUJUBES, COMPRESSED TABLETS, CAPSULES, PERLES, CACHOUS, BOILED GOODS, SALINES, &c. &c.
IMPORTERS of LIQUORICE JUICE and makers of THE ORIGINAL cushion-shaped LIQUORICE & MENTHOL PELLETS.

WORKS & OFFICES: CREDITON, DEVON.
LONDON DEPOT: Plantain Place, Crosby Row, BOROUGH, S.E. Telephone: HOP 2668
TELEPHONE: CREDITON, No. 10.
TELEGRAMS: "JACKSON-CREDITON."

We are making Lamp-blown Glassware, such as Ampoules, Hypodermic Tubes, &c., in London. Let us have your inquiries. You will find our prices competitive and our deliveries smart. Besides we also have varied stocks of Glass Bottles. *Send us your inquiries and ask for our Stock List.*



JULES LANG & SON,
Charlton Works, Charlton Place,
ISLINGTON, LONDON, N.



Sole Proprietor:
FERNAND. RENÉ LANG.

Telegrams: "Assorted, Nordo, London." Telephones: North 1344-5

ENGLAND IS AWAKE.

SEAMLESS RUBBER NIPPLES Holdfast Brand

MADE IN GREAT BRITAIN.

ACTUAL MANUFACTURERS. **NOT IMPORTERS.**
PROMPT DELIVERIES. LOWEST PRICES.
QUALITY UNEQUALLED. SAMPLES FREE.
WHOLESALE AND EXPORT.

BABY SOOTHERS in Various Patterns.

№ 160 161 162 164 165

Black or Transparent. With or Without Hole.

Inquiries solicited at our New Works:

A. S. CARTWRIGHT, LTD. Kingsnorth Rubber Works, **NORTHFIELD, BIRMINGHAM, England.**

THE NORWICH
CREPE BANDAGE

SUPERIOR ENGLISH MANUFACTURE.
Extremely Elastic, but contains no rubber
FAST WOVEN EDGES.

Invaluable for all binding purposes. Entirely displaces bandages of rubber and elastic web. Considerably more durable, although less than one-third the cost of rubber or elastic web.

"It's the greatest comfort in the world for every case of Varicose Veins."

Varicose veins and other ailments requiring the use of bandages usually demand *warmth* as well as support. The Norwich Crepe Bandages containing wool provide this warmth and do not absorb grease. May be thoroughly cleansed by the use of *hot* (not boiling) soapy water, with the addition of a little ammonia or soda. Healthy and comfortable to wear, giving the necessary firmness, yet yielding to every movement. Self-clinging and self-adjusting.

THE BANDAGE THAT CAN BE STERILIZED.
IMPORTANT.
THE EDGES WILL NOT FRAY OUT NOR RAVEL

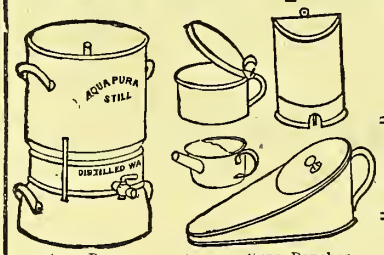
Made and supplied to the leading wholesale houses, neatly wrapped in labelled packages. Inexpensive and high in quality; universally commended by the medical and nursing professions. Send for prices and samples to the sole manufacturers:

THE NORWICH CRAPE CO. (1856) LTD.,
ST. AUGUSTINE'S SILK MILLS, NORWICH, ENG.

London buyers can obtain samples and prices from Mr. T. Eastaway, London Representative, 7 Wool Exchange, E.C. 2.

PROVINCIAL SELLING AGENTS:
Messrs. FREESE & MOON, 59 Bermondsey St., London, S.E.1

Enamelled Hospital Requisites



Aqua-Pura Water Still. Spitting Cups, Douches, Bed Pans, &c.

HIGHEST QUALITY.
PERFECT PACKING.

BRITISH MANUFACTURE.

Write for Catalogue.

ORME, EVANS & CO., LTD. Works: Wolverhampton, England.
Showrooms—London, Sydney, Capetown, Montreal, Vancouver.

EXCELSIOR CREPE BANDAGES. FAST EDGE.

EXCELSIOR CREPE BANDAGE NAME

Owing to the War, the supply of Crepe Velpeau Bandages is discontinued. We, are, therefore, placing on the market a bandage of ENGLISH manufacture to replace it, which will be sold as

GIMBER'S EXCELSIOR
CREPE BANDAGE

TRADE MARK.

An Elastic Bandage. Containing no Indiarubber. Superseding Elastic Stockings, Webs, Bandages, and at half the cost. Three sizes, about 2, 2½, and 3½ inches wide. Excelsior Crepe Abdominal Binders.—Useful after many Abdominal Operations, and for ladies after confinements. Two sizes: 8 & 11 in. wide.

CAUTION.—Beware of fraudulent and useless imitations, and reject all Bandages not bearing the above Trade Mark on the Wrappers.

Wholesale of
W. GIMBER & SON, Surgical Bandage and Instrument Makers, 44 Queen's Rd., PECKHAM, LONDON, S.E.
And of all Wholesale Druggists, Chemists, Surgical Instrument Makers, &c.
Telephone: New Cross 1601 Descriptiv Circular & Price List on application.

FINEST **BLACKS** AND

COLOURS

(ALL SHADES)

for

CONFECTIONERY
(Harmless)
MINERAL WATERS
(Acid-proof)
GELATINE
LEATHER
SOAP
VARNISH
BOOT POLISH
WRITING INK
ENDORSING INK
RULING INK
STENCIL INK
PRINTING INK
WOOD STAINS
SIZE
COTTON
WOOL
SILK
COIR YARN
JUTE
&c. &c.

Soluble in

WATER SPIRIT
OIL TURPS
WAX BENZOLINE
GLYCERINE NAPHTHA
PETROLEUM CREOSOTE
and
IN FACT—ANYTHING.

BLACK FOR INK.

MARKING INK.

ETERNITE

A combined Stain and Preservative for Wood.

HOUSEHOLD DYES.

RHEUMSOL BATH SALTS
in 1/- Tins.

WILLIAMS BROS. & CO.

Hounslow, Middlesex.

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, DECEMBER 22, 1917

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., MUST BE PREPAID (except in the case of serial advertisers), and to ensure prompt insertion

REMITTANCES MUST ACCOMPANY INSTRUCTIONS.

Advertisements for the current issue cannot be received after first post on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done

PROVIDED the MONEY is TELEGRAPHED

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C.4. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus,Cannon,London." (Three words counted as two.)

CHRISTMAS HOLIDAYS.

Owing to the closing of these Offices on December 25th and 26th, it will be necessary to begin printing the White Paper Advertisement Section of **The Chemist and Druggist** for December 29th on Monday next, December 24th. The closing hour for next week's issue of **The Chemist and Druggist Supplement** will, however, be as usual—10 a.m. Thursday, December 27th.

42 Cannon Street, London, E.C.4.

Keep a close watch

on your stock, your outlays and your takings. There is more need than ever before for periodical valuation & stocktaking at regular intervals to ensure

Profit & Prosperity.

WE CAN HELP YOU.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BERDOE & FISH

VALUERS & TRANSFER AGENTS,

35 Jewry Street, Fenchurch Street, E.C.3.

Telephone: 1809 CENTRAL.

NO CHARGE TO PURCHASERS.

1.—SOUTH COAST.—First-class Retail and Dispensing Business, with scope for large increase; commanding position; low rent; elegant fittings and good stock; owner retiring through old age; valuation only required; all over £450 can remain.

2.—KENT (Suburb).—Good progressive Middle-class Business; no booking; returns £1,850; *net profit* £450; books properly kept; convenient house; handsome Pharmacy, heavily stocked; price £50 and valuation; about £1,000; strongly recommended.

3.—NORTH WALES COAST.—Unopposed, sound Light Retail, returning £700; *net profit* £250; up-to-date Pharmacy, well-fitted and stocked; price £300 or valuation.

4.—LEICESTERSHIRE.—Sound Cash Drug Store in small town; returns average £630; *net profit* £200; good house and Pharmacy, well stocked; plenty of scope in qualified hands; price £300 or valuation.

5.—WEST END.—High-class Dispensing business in prominent position; returns average over £2,000; *net profit* £620; excellent chance for two smart men; price for quick sale £950, or small goodwill and valuation.

6.—NORTH LONDON (Healthy Suburb).—Sound progressive Cash Business for immediate disposal through serious illness; returns £1,150; *net profit fully* £300; fine modern Pharmacy; excellent main road position; low rent; price £750 or offer.

7.—LONDON (Distant Suburb).—Good middle-class Cash Retail; chiefly Prescribing; returns £14 weekly, increasing; *net profit about* £300; very low rent; fully stocked; price £475 or valuation; £200 cash; balance by instalments; trial allowed.

STOCKTAKINGS.

Appointments for stocktakings and valuations should be made early, as we have only a few vacant dates open during the next three months Full particulars and terms sent on application.

See Notice on Front Page of this Supplement.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

CARLISLE.—For Sale as a going concern, in consequence of the death of the owner, Chemist and Sight-testing Optician's Business, along with the premises on which the same are carried on, comprising Shop, Dispensing and Sight-testing rooms, and dwelling-house attached; the business was established in the year 1846, and for the last 35 years has been successfully carried on by the late owner; a large portion of the purchase money of the premises will be allowed to remain on mortgage at 5%. Further particulars on application to J. S. Jackson, Solicitor, Carlisle.

HIGH-CLASS Dispensing Business for Sale in residential neighbourhood near London (South); main thoroughfare; returns average £2,000; books kept and balance sheet audited; plenty of scope for extension; every investigation given; price £1,000. Apply "Regret" (201/1), Office of this Paper.

PATENT Treatment for Curing Rupture; fully protected; the last advertisement produced 250 per cent. net profit. Advertiser, who is leaving the country, is prepared to sell the whole business, including English Patents, as a going concern for £3,000. Business is capable of producing the purchase money during the first year. Full particulars to principals only. Apply "L." (215/18), Office of this Paper.

BUSINESSES WANTED.

BUSINESS wanted; early possession; turnover above £1,300; state price, lease, rent, turnover, living accommodation, number of assistants, average number of N.H.I. prescriptions, and approximate values of stock and fittings. Reply to Spedding, 2 Parker Street, Levenshulme, Manchester.

AGENCIES.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

REQUIRED by Wholesale House in Belfast.—We have Representatives touching continually every town in Ulster. Paints, Chemists' Sundries, Hairdressers' Requisites, and Fancy Goods. Apply 227/12, Office of this Paper.

FOR SALE.

CERA FLAV., about 5 cwt.; 4 lb., 9*s.* 7*d.* delivered; Tabs about ½ oz., per ½ gross., 4*s.* 2*d.* delivered; cash with order. Levis, Chemist, Skibbereen. Sample, 2*d.* stamps.

350 FLASH-LAMP Batteries for Sale; guaranteed three months; 4½ volts; 13*s.* doz.; 2 doz. cases as new, 8*s.* 6*d.* doz.; 1 doz. at 15*s.*; immediate delivery; cash with order. Needhams, Crosland Moor, Huddersfield.

TO LET.

SHOP to be Let; double-fronted; splendidly situated in shopping centre of main road, and fitted as a Chemist's; occupied by Chemist for nearly 50 years; good business just closed owing to illness; fixtures at valuation; rent £50 per annum, tenant paying rates and taxes. Apply Harry Hooper & Co., Surveyors and Valuers, Estate Offices, Millwall, 14.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

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RETAIL.

CAMBRIDGE.—Lady Assistant for Dispensing and Retail; must be reliable, experienced, quick, and accurate Dispenser; comfortable berth; outdoors; easy hours. Please give full particulars as to previous experience, and enclose photo if possible, G. Peck & Son, Pharmaceutical Chemists, Cambridge.

LONDON, S.W.—Young lady required for high-class Pharmacy; must be a capable Dispenser and have had some Counter experience; permanent and progressive berth. Apply "S. S." (231/180), Office of this Paper.

SHREWSBURY.—Assistant, male, ineligible, or lady, for Dispensing and Counter; easy hours; good-class light business. State wages required to J. E. Henshaw, M.P.S., Wyle Cop Pharmacy, Shrewsbury.

SOUTH OF ENGLAND; Assistant required (male or female); free removal; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

AS Manager or other responsible position; qualified; 20 years' experience; state salary. Apply 232/10, Office of this Paper.

WEST BYFLEET.—To substitute C1 man, an energetic and thoroughly competent and experienced Dispensing Assistant wanted; outdoors; alternate evening and Sunday duty, ordinary hours 8.30-7; applicant must be ineligible; duty chiefly Dispensing. State salary required and all usual particulars in first letter, S. Browning Moss, West Byfleet.

WEST MIDLANDS.—Qualified Chemist to manage good-class Retail Branch; some Insurance Dispensing; easy hours, no Sunday or night duty; commission on profits; applicants should give particulars of experience, age, and salary required. Apply 231/14, Office of this Paper.

YORKSHIRE (West Riding).—Good opening for smart, energetic, unqualified Assistant; must be a first-class Counterman and Dispenser; permanent and progressive post. "W. R." (231/18), Office of this Paper.

ASSISTANT (man) wanted; outdoors; qualified preferred; good-class business. T. H. Foden, King's Heath, Birmingham.

CHARLES MIDGLEY, LTD., of Manchester, require Branch Manager for suburban business; also a Junior Assistant for City Pharmacy; in both cases applicants must be gentlemanly and experienced in high-class business.

DISPENSER (FEMALE) WANTED AT THE EASTERN FEVER HOSPITAL, HOMERTON GROVE, HOMERTON, E. 9 (under the Metropolitan Asylums Board).—The person appointed must be a Licentiate of the Society of Apothecaries or registered under the Pharmacy Acts (Major or Minor certificate of the Pharmaceutical Society); those holding only the Assistants' certificate of the Society of Apothecaries are not eligible. The person appointed will be required to perform certain clerical work for the Medical Superintendent, and a knowledge of typewriting will be an advantage; salary £120 per annum, rising by £7 10*s.* annually to £180 (no increment until after four years' service), with a war bonus of 5*s.* 4*d.* per week. Applications must be made on forms obtainable from the Clerk, Metropolitan Asylums Board, Embankment, E.C. 4, to whom they must be returned as soon as possible.

DOCTOR requires lady Dispenser as locum or permanent. Write, stating salary required, etc., to Dr. Button, Rye, Sussex.

JANUARY 1st.—Qualified lady or elderly gentleman to take alternate duties (two shops); hours 8.30 to 7.30, Saturdays 9, half-day off weekly; Welsh-speaking an advantage; Light Dispensing and Retail; in- or out-doors; pleasant locality. Apply, with particulars, to Rogers Jones, Pharmacist, Llandudno Junction.

LADY Assistant (unqualified) desires post or branch management; experienced; Manchester or district. Apply 232/11, Office of this Paper.

LOCUM required (unqualified) to manage small business in the North for a fortnight. Address 230/3, Office of this Paper.

MANCHESTER DISTRICT.—Elderly, qualified Chemist required; comfortable permanency. State age, salary required, references, and when at liberty, 210/22, Office of this Paper.

LADY Assistant (Dispensing department) immediately; hours 9 to 7, Thursdays 1, Saturday 8.30. State age, height, experience, qualification, and salary required (photo if possible), G. T. W. Newsholme, Ltd., 27 High Street, Sheffield.

THE Gloucestershire Royal Infirmary and Eye Institution.—For the duration of the war, fully-qualified Dispenser (male); non-resident. Applications, stating age, qualifications, experience, and salary required, together with testimonials, to be forwarded to the Secretary, Royal Infirmary, Gloucester.

WANTED, an experienced Assistant Dispenser (lady), at the end of January, at a Voluntary Hospital in Manchester; Minor qualifications, with board and residence. Address, stating salary required, age, and full particulars, with copies of not more than three testimonials to "L." (216/73), Office of this Paper.

WANTED, a Bookkeeper several hours weekly, in his own spare time. Apply 232/4, Office of this Paper.

WHOLESALE.

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CAPABLE man, experienced in the manufacture of all kinds of Surgical Plasters, India Rubber, and Lead Base. Apply 200/14, Office of this Paper.

CLERK and Clerkess (experienced) wanted as soon as possible by leading Edinburgh Wholesale house. Apply, giving full particulars, age, experience, salady expected, etc., to "L." (212/34), Office of this Paper.

DRUGGISTS' SUNDRIES DEPARTMENT.—Wanted by a provincial house, an experienced man to accumulate orders in the department for despatch; no packing; state age, experience, and wages required; must be ineligible. Apply "L." (217/9), Office of this Paper.

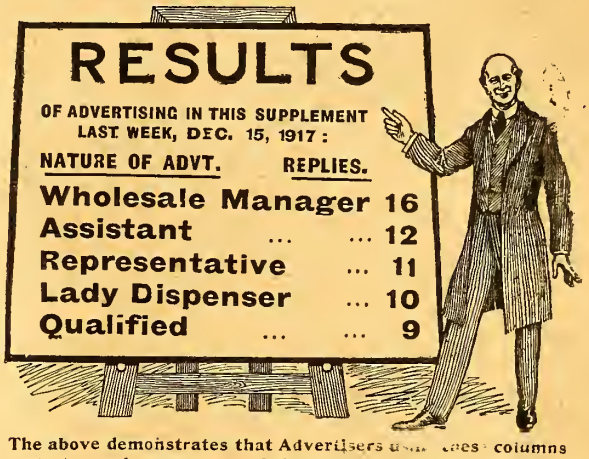
EXPERIENCED Girls wanted for Packed Goods department, Wholesale Chemists. Apply by letter, stating age and wages required, A. C., 46 Southwark Street, London, S.E. 1.

EXPERIENCED man wanted for Packing and Despatching heavy and fine Chemicals; used to keeping Stocks preferred, but not essential; ineligible for military duties; Eastern district of London; good wages and permanency. Apply 144/62, Office of this Paper.

LABORATORY.—A good all-round Assistant, thoroughly experienced in the general work of a steam laboratory and used to the manufacture of specialties (ineligible for military service), capable of taking charge, may hear of a good opening in South Africa. For particulars write E. B. R., 43 Northumberland Avenue, Wanstead, E. 12.

MAN wanted for Tablet Making Department. State salary and full particulars, Thompson & Capper, Ltd., Manesty Buildings, College Lane, Liverpool.

PROFITABLE side-line for Travellers already calling on Chemists. Write at once to "D. T. L.," c/o Streets, 30 Cornhill, E.C. 3.



The above demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitableness.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

RETURNING PHOTOS, Etc.

Advertisers in this section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

REPRESENTATIVE wanted for Midland counties (ineligible); salary and commission. Also Representative for North-Eastern counties; character must bear thorough investigation. Apply by letter, giving full particulars. H. J. Lee & Co., 40 Osborne Road, Levenshulme.

REQUIRED (at once), an Invoice Clerk, with experience of Wholesale Drug Trade. Apply with particulars of experience, and stating salary required, to "Cable" (211/4), Office of this Paper.

SMART Traveller required for Lancashire and Yorkshire ground, to take Cotton Wool, Lints, and Bandages as a side line; good commission allowed. Apply "Smart" (231/27), Office of this Paper.

WANTED, qualified Chemist, with experience of manufacturing Toilet and Medicinal Preparations for Wholesale house. State fully experience, age, and salary, 204/21, Office of this Paper.

WANTED, Tablet Maker; man accustomed to preparing composition and running machine producing about 500 per min. Apply 229/32, Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for **50** words or less; **6d.** for every **10** words or less beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

FAR EAST.—A thoroughly competent Assistant (qualified preferred), who has had first-class experience in Retail and Dispensing business; must be ineligible for military service; age 21 to 30; liberal salary; passage paid out and home on a two years' agreement. "Export" (232/34), Office of this Paper.

PARIS.—Wanted, English Chemist-Assistant; discharged or wounded, yet able. Write, with full particulars, to C. D., 4 Woodside Lane, N. 12.

LARGE firm manufacturing Surgical Dressings, Druggists' Sundries, Perfumes, and Packed Chemists' Goods, are desirous of appointing Agents and Representatives in British Colonies and foreign countries where unrepresented. Apply "Expansion" (186/36), Office of this Paper.

SITUATIONS WANTED.

1s. for 12 words or less; **6d.** for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

[HOME.]

RETAIL.

AS Locum; permanency; good references; reasonable terms. Chemist, 23 Clarendon Road, W.

BIRMINGHAM.—Lady (six years' experience) desires change; accustomed to Counter work, N.H.I. and Light Dispensing, Window-dressing, and usual duties. Reply H. C., 72 Grange Road, King's Heath, Birmingham.

DOCTOR'S son wants position as Dispenser; not qualified. Apply 223/390, Office of this Paper.

LADY Improver, nine months' experience, for Counter or Stock; London district. Apply "E. S." (228/37), Office of this Paper.

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